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SINGLE COPIES 9d.

No. 2605.

JANUARY 11, 1930

Vol. CXII.



## THE BEST HOUSE FOR ALL PHARMACEUTICAL PRODUCTS

AND FOR PERSONAL SERVICE

*Proprietors of the "Silver Churn" Dairy Preparations*

**OLDFIELD, PATTINSON & Co.**  
TELEGRAMS: "OPIMUM."  
TELEPHONES: Blackfriars 4682 (2 lines). **MANCHESTER**



## 'Torch' Brand Balsamic SKIN CREAM

An all the year round preparation, counteracting the effects of summer sun, winter cold, winds and sea water. For use after shaving it is invaluable.  
The pharmacist can sell this in spring, summer, autumn and winter.

'Torch' Brand Products are sold to chemists only and  
show a liberal profit margin. **ON THE P.A.T.A.**  
Wholesale Price 9/6 per doz. Retail Price 1/3 each.

**Allen & Hanburys Ltd.**  
**Bethnal Green, LONDON, E. 2**

Telephone: 3201 (10 lines) Bishopsgate  
Telegrams: "Greenburys Edo London"



# Pepsodent week – January 20<sup>th</sup> – 27<sup>th</sup>

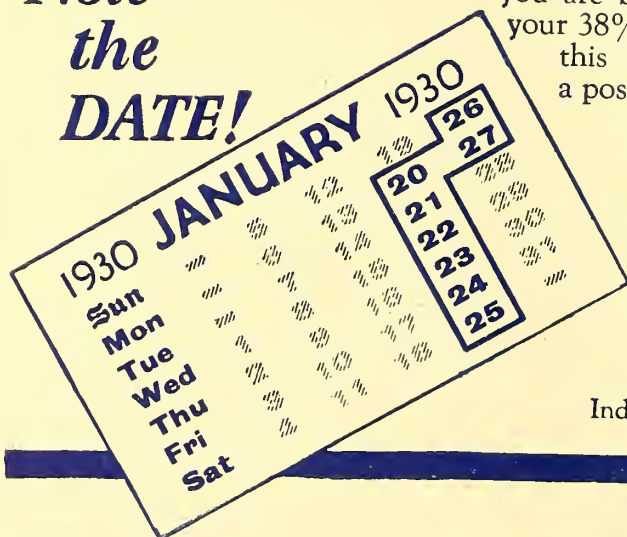
THIS is the first important week of the year to you—and to us. The response to our circular announcing Pepsodent week has already been extraordinary. Requests for window displays and orders for Pepsodent have poured in and it is evident that retailers everywhere are determined to get the full advantage from the scheme.

During January 20th—27th the new Pepsodent advertising campaign comes into full swing. Heavy advertising—National advertising. Advertising ALL the time to send people to you . . . to BUY.

All over the country the new Pepsodent window displays will be shown. Everything will link up. It will be an auspicious start for a record Pepsodent year. If you have not sent for your display there is just time. Write immediately.

See also that your stocks are right—that you are buying on the best terms and making your 38% profit. Share in the full benefits of this first 1930 Pepsodent scheme. Send a postcard . . . NOW!

*Note  
the  
DATE!*



**Pepsodent** TRADE MARK  
The Scientific Dentifrice

The Pepsodent Co., Dept. No. 280,  
India House, 8, India Street, London, E.C.3.





# ENO'S "FRUIT SALT" MARK

For full particulars regarding Terms, Window Display Material, etc., write :  
Sales Manager, J. C. ENO, Limited, 160 Piccadilly, London, W.1.

Copyright J. C. Eno, Ltd.

# Growth

NOT OF THE  
MUSHROOM  
NATURE.



TO COPY OTHERS OR TO IMPRESS.

# But

LIKE THAT  
OF THE OAK



**BECAUSE WE FIND IT NECESSARY**

As a result of 50 Years' Trading and constantly growing connections, we have found it necessary to add still a further wing to our premises in order to cope with increased business and to expedite deliveries.

These extensions have enabled us to instal machines of the latest type, making it possible for us to give the benefit of Keenest Prices, and above all, we retain our position in the world of Chemists' Printers—SECOND to NONE!

**THOMAS WAIDE & SONS LTD.**

*THE Chemists' Printers,*  
**KIRKSTALL ROAD. LEEDS.**



# Do You Know *Our Special Terms?*

FOR those qualified chemists who are prepared to take a genuine interest in selling Euthymol Tooth Paste, we have special terms which are worth investigation.

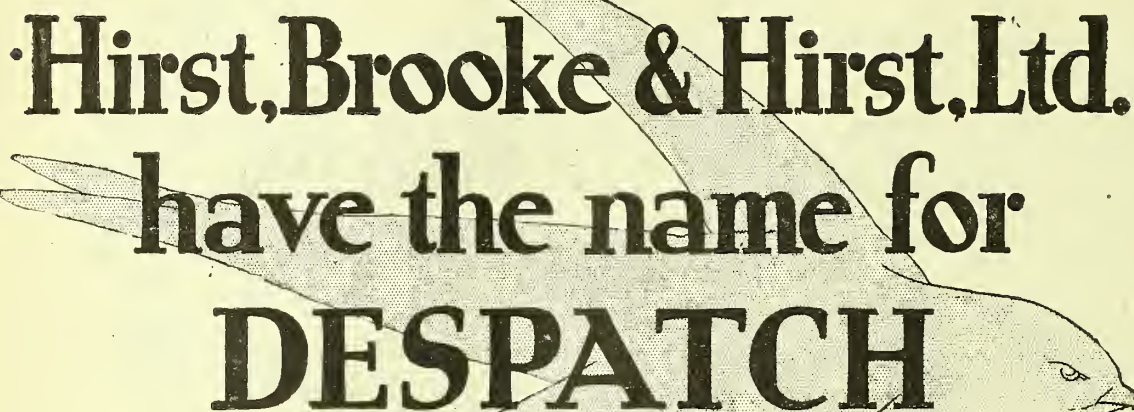
There is no risk in buying Euthymol Tooth Paste in quantity. It is sure to sell, and is always on the move. Continuously behind it is steady, persistent propaganda that definitely creates sales, which are always directed to the chemist. It is a safe line, a sound line—and a profitable line.

If you have not already bought on special terms, drop a postcard to us to-night and we will send particulars.



PARKE, DAVIS & CO., BEAK STREET LONDON, W.1





# Hirst, Brooke & Hirst, Ltd. have the name for **DESPATCH**

**Q**UICK SERVICE is a powerful factor in commercial success, and retail friends can count upon our loyal support by the expeditious handling of all orders. We are a Drug and Sundries House of 85 years' standing, with manufacturing and wholesale resources which enable us to supply everything the chemist sells and uses. It is our aim to despatch goods the same day the order is received, prompt delivery being ensured by our own fleet of motors.

**YOUR ACCOUNT WITH US  
COVERS ALL YOUR WANTS**

*Write for Catalogues.*

Crude Drugs  
Pure and Commercial  
Chemicals  
Manufactured Drugs  
Galenicals  
Pills Tablets  
Suppositories  
Packed Goods  
Toilet Requisites  
Druggists' Sundries  
Patent Medicines  
Proprietaries  
Photographic Goods  
Surgical Appliances  
British and Foreign Wines  
Dry Colours  
Paints Oils Varnishes  
Brushware  
Drysaltaries for all  
Industries etc., etc.



## Hirst, Brooke & Hirst, Ltd. Millgarth Mills, Leeds.

ESTABLISHED 1843

## INDEX TO ADVERTISERS

Agfa, Ltd. (Cameras, &c.)	32	Burkett, Sharp & Co., Ltd. (Drugs, &c.)	iv	Gill, Herbert, & Co. (Scissors)	28
Alcock Manfg. Co. (Plasters)	xii	Burrough, J., Ltd. (Alcohol) Leader Page		Glaxo (Ostomalt)	xxiii
Allen & Hanburys, Ltd. (Skin Cream)	Cover	Burroughs Wellcome & Co. ("Kepler" Cod Liver Oil)	41	Gledhill, G. H., & Sons (Cash Tills)	12
Arco, Ltd. (Santonin)	xvi	Burt, Boulton & Haywood, Ltd. (Disinfectants)	42	Gold Seal Proprietaries, Ltd. (Bismint)	36
Association of Manfg. Chemists, Ltd. Col. Supp.		Bush, Beach & Gent, Ltd. (Chemicals)	vi	Gollin & Co. Pty., Ltd. (Aspro)	xix
Avery, W. & T., Ltd. (Weighing Machines)	16	Butlers (London), Ltd. (Machinery)	xxvii	Gower, John (Books)	Col. Supp.
Ayrton, Saunders & Co., Ltd. (Wholesale Druggists)	15	Calvert, F. C. & Co., Ltd.	xxii	Grout & Co., Ltd. (Crêpe Bandages)	xxviii
Bailey, R., & Son, Ltd. ("Steraid" Dressings)	xxviii	Carr & Co., Ltd. (Bath Rusk)	xxii	Hackett, S. E. (Film Overstocks)	Col. Supp.
Bandoeng Quinine Factories	x	Christy, T. & Co. (So-it-is Denture Powder, Matador Blades)	36-40	Haller & Phillips, Ltd. (Glycerine)	vi
Barker, R. W., & Co. Leader Page		Clayton Aniline Co., Ltd. (Pharm. Specialities)	viii	Hampshire, P. W., & Co., Ltd. (Snowflure Jelly, &c.)	xiv
Beecham-Veno Central Distributing Depôt	xiii	Constopon Tablets	xxii	Hampson, Fredk. (Bottles)	30
Bell, John, Hills & Lucas, Ltd. (Pharm. Preps.)	Leader Page	Cook, George (Shopfittings)	40	Hanson, W., & Sons (Glassware)	30
Bengué & Co., Ltd. (Bengué's Balsam)	xiv	Cooper, Sen & Co., Ltd. (Cachets)	xvi	Harkness, Beaumont & Co. (Disinfectant)	xii
Berdec & Fish (Valuers, &c.) Col. Supp.		Cox, Arthur H., & Co., Ltd. (Chestnuts)	xxx	Harper, C. W. (Bottles)	35
Blustein, D., & Bro. Inc. (Golden Seal Root)	vi	Dearborn (1923), Ltd. (Toilet Preps.)	26	Harris, Hart & Co., Ltd. (Glauber Salts, &c.)	viii
Boake, A., Roberts & Co., Ltd. (Perfume Bases, &c.)	Cover	Debacq & Harrop (Toilet Preps.)	18	Haskins, S., & Bros., Ltd. (Shopfittings)	33
Bob Martin, Ltd. (Dcg Medicines, &c.)	32	Dee Oil Co., Ltd. (Petroleum Jelly)	xxv	Henry, T. & W. (Calcined Magnesia)	xvi
Boots Pure Drug Co., Ltd. (Drugs)	ix	Dick, W. B., & Co., Ltd. (Liquid Paraffin)	xxvi	Howlett, C. J., & Son, Ltd. (Hot Water Bottle Covers)	xxviii
Bridgen & Griffin (Eau-de-Cologne, &c.)	29	Dominion Steel Corporation, Ltd. (Razor Blades)	28	Hill, Thos., Engineering Co. (Hull), Ltd. (Bottle Washing Machinery)	xxvi
British Aluminium Co., Ltd. (Aluminium Containers)	31	Dudley & Co., Ltd. (Cash Tills, &c.)	33	Hirst, Brooke & Hirst, Ltd. (Drugs, &c.)	4
British Drug Houses, Ltd. (Malt Extract)	Cover	Durcan, Flockhart & Co. (Influenza Vaccines)	vi	Hobson, Trimble & Co., Ltd.	36
British Optical Institute, Ltd.	32	Edge, Wm., & Sons, Ltd. (Drummer Dyes)	12	Hollandische Melksuikerfabriek	xxii
Britton, Malcolm & Waymark, Ltd. (Druggists' Sundries)	38	Eno, J. C., Ltd. (Fruit Salt)	1	Holroyd's Oil & Ceresine Co., Ltd.	36
Bronnley, H., & Co., Ltd. (Toilet Soaps, &c.)	v	Faire Bros. & Co., Ltd. (Powder Puffs)	29	Hovenden, R., & Sons, Ltd. (Pine Tar Shampoo)	20
Brook, Parker & Co., Ltd. (Dutch Drops)	xvi	Fairy Dyes, Ltd. (Home Dyes)	38	Hubbuck, T., & Son, Ltd. (Oxide of Zinc)	ii
Bruce, Starke & Co. (Peppermint Oil)	19	Farleys (Shopfitters), Ltd.	34	Iglodine Co., Ltd. (Iglodine)	xii
Bruckner, Richard (Liquorice Root)	x	Fennings, A. (Children's Cooling Powders)	Leader Page	Imperial Chemical Industries, Ltd. (Speddo)	iii
Burge, Warren & Ridgley, Ltd. (Surgical Rubber Goods)	36	Fink, F., & Co. (Gums)	36	Irving's Yeast Vite, Ltd.	xxvii
Burgoyne, Burbidges & Co., Ltd. (Pectorine Cough Tablets)	xv	Foam Preparations, Ltd. (Foot Foam)	13	Jeffreys, Miller & Co., Ltd. (National Mark Malt Products)	37
		Ford, Shapland & Co., Ltd. (Printing)	33	Johnson & Sons Mfg. Chemists, Ltd. (Galenicals, &c.)	ii
		Frankenberg, L. (Razor Blades)	28		
		Ca'loway, P. H., Ltd. (Cough Syrup)	xx		
		Garfield Tea Co.	xiv		
		Genatosan, Ltd. (Genozo)	25		

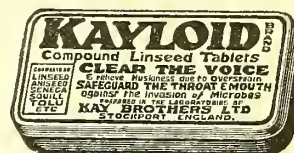
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Why more and  
more people are  
asking for  
**KAYLOID**  
Compound  
Linseed Tablets.

1. Advertising in *Daily Mail*, and a strong list of other newspapers and magazines.
2. A quarter - million interested people are receiving free samples.
3. Over a million booklet advertisements.

"Kayloid . . . ." she said  
. . . . and wanted this

You need not send another customer away disappointed. A post-card brings you this display box of 12 tins for 6/- post paid. Retail 9d. per tin. Why not write for it now?



**KAY BROTHERS LTD. STOCKPORT**



## INDEX—cont.

Jones, Wm. Alfred, Ltd. (Pastilles) ..	xiv	National Cash Register Co., Ltd. ...	9	Sitora Refining Co., Ltd. (Liquid Paraffin, &c.) .....	xxvi
Josephs, Philip, & Sons, Ltd. (Shop-fittings) ..	Col. Supp.	National Union of Drug & Chemical Workers .....	Col. Supp.	Smith, T. & H., Ltd. (Chemicals) ..	iv
Kay Bros., Ltd. (Kayloid Tablets) ..	5	Newbery, F., & Sons, Ltd. (Service) ..	34	Sorbo Rubber Sponge Products, Ltd. (Sponges, &c.) .....	28
Kerfoot, T., & Co., Ltd. (Emulsion Pastilles) ..	17	Norwegian Cod Liver Oil .....	xxi	Staniform, Ltd. (Ointment) .....	22-23
King, J. C., Ltd. (Metal Display Tripods) ..	40	Oldfield, Pattinson & Co. (Pharm. Preps.) ..	Cover	Sterns, Ltd. (Oils, Petroleum, &c.) ..	xxv
Kof-oh Co., Ltd. (Cough Cure) .....	xvii	Oppenheimer, Son & Co., Ltd. (Roboleine) ..	i	Stewart, Goodall & Dunlop, Ltd. (Nuctone) ..	27
Kotex, Ltd. (Sanitary Towels) .....	xxix	Orridge & Co. (Valuers, &c.) ..	Col. Supp.	Stokes, C. A., & Co., Ltd. (Ointments) ..	Leader Page
Levermore, A., & Co., Ltd. (Precipitated Chalk) ..	36	Parfums Marcel Guerlain, Ltd. (Toilet Preps.) ..	27	Sudex Co. (Senna Pods) ..	viii
Lofthouse & Saltmer, Ltd. (Thermal Liniment) ..	xii	Parke, Davis & Co. (Euthymol) ..	3	Sunshine Remedies, Ltd. (Toilet Preps, &c.) ..	27
London College of Pharmacy ..	32	Pastilles, Ltd. (Lakerol Pastilles) ..	xviii	Surgical Hosiery Co., Ltd. ..	xxviii
Lorimer-Marshall, Ltd. (Tonic Elixir) ..	27	Pazo Co. (Pill Boxes) ..	40	Swiftsure Photographic Works (D. & P. Service) ..	36
Lysol, Ltd. (Hinds Honey and Almond Cream, &c.) ..	14	Pepsodent Co. (Toothpaste) ..	Cover	Tatcho Laboratories (Hair Preps.) ..	26
McCaskey Register Co. ....	34	Perry & Hope, Ltd. (Phosphate of Soda) ..	56	Tennmah Products, Ltd. (Blades) ..	26
McGlashan, D., Ltd. (Abdine) ..	xxii	Petrolagar Laboratories, Ltd. ....	xvi	Tolkien, C., & Co., Ltd. (Malt & Oil) ..	6
Marsden, C. C. (Valuer, &c.) Col. Supp.		Pharmaceutical Lanoline Co. ....	xxiv	Tomlinson & Hayward, Ltd. (Water-glass) ..	40
Martin, Bob, Ltd. (Dog Medicines, &c.) ..	32	Pitman, Sir Isaac, & Sons, Ltd. (Books) ..	40	United Chemists' Association, Ltd. (Tadised Throat Lozenges) ..	42
Matthews, D., & Sons (Shopfittings) ..	Col. Supp.	Poth, Hille & Co. (Ceresine Wax) ..	xxv	Val Peppermints ..	36
Maund, F., & Berg, E. (Showcases), Ltd. ....	Col. Supp.	Potter & Clarke, Ltd. (Wholesale Druggists) ..	39	Wagner, R. V. (Bottle Caps) ..	30
Maw, S., Son & Sons, Ltd. ....	10-11	Reddgrave, Butler & Co. (Packed Goods, &c.) ..	iii	Waide, Thos., & Sons, Ltd. (Printers) ..	2
May & Baker, Ltd. (Pharmaceutical Chemicals) ..	7	Reynolds & Branson, Ltd. ....	Leader Page	Wanie Blades ..	30
Meade-King, Robinson & Co., Ltd. (Petroleum Jelly, &c.) ..	xxiv	Roberts' Patent Filling Machine Co. ....	xxvii	Warrington Chemical & Drug Co., Ltd. ....	iv
Methylating Co., Ltd. (Methylated Spirit) ..	xxiv	Robinson & Sons, Ltd. (Boxes, Cartons, &c.) ..	31-xxvii	Washington Chemical Co., Ltd. (Pat-tinson's Magnesia) ..	vii
Midgley & Parkinson, Ltd. (Yeast Preps.) ..	xxii	Rodgers, J., & Sons, Ltd. (Blades) ..	28	Webster, T., & Co., Ltd. (Stoppers) ..	30
Millar, A., & Co., Ltd. (Orange Wine) ..	xxii	Rose, J. L., Ltd. (Pyrogallie Acid) ..	iv	Weiss, Biheller & Brooks, Ltd. (Bottles) ..	30
Mills, H., & Sons (Shopfittings) ..	33	Rowland, A., & Sons, Ltd. (Macassar Oil) ..	26	Westminster College of Pharmacy ..	32
Mirus, Ltd. (Eyebrow Beautifier) ..	26	Rudduck & Co. (Shopfittings) Col. Supp.		Whitaker & Co. (Kendal), Ltd. (Hat Dyes, Household Dyes) ..	21
Mosans Quinine Pessaries ..	xvii	Schering, Ltd. (Pharmaceutical Specialities) ..	Leader Page	White, Tomkins & Courage, Ltd. (Oil of Lemon, &c.) ..	18
Muir, W. S., & Co., Ltd. (Transparent Paper) ..	12	Schutze, F., & Co., Ltd. (Compact Powders) ..	27	Williams, G. M., & Co. (Urotex) ..	x
Mysore Trade Commissioner for, in London (Sandalwood Oil) ..	19	Scott & Turner, Ltd. (Andrews Liver Salt) ..	xvii	Woodward, W., Ltd. (Gripe Water) ..	xvii
		Scruton, O., & Co. (Nurse Harvey's Mixture) ..	12	Woolley, J., Sons & Co., Ltd. (Floor Polish) ..	8
		Scurr, C. A. (Optical Tuition) ..	32	Wright, John, & Co. (Radiators) ..	35
		Shadeine Co. (Hair Dyes) ..	36	Yadil Products (1925), Ltd. (Anti-septic) ..	xi
		Sherley, A. F., & Co., Ltd. (Dog and Cat Medicines) ..	35	Zeal, G. H., Ltd. (Ciliicals) ..	35

## SALES' RECORD ASSURED IF YOU STOCK "BUTTERSCOTCH" EXTRACT OF MALT & COD LIVER OIL.

### AS A CHEMIST

you know that Extract of Malt & Cod Liver Oil is one of the best Tonic Foods available, and you also know that its flavour—to many people is most unpalatable, and especially so with children—is a great obstacle to its rapid sale.

### THEREFORE

the flavour is most important because it will affect your sales—children simply love "Butterscotch" brand Malt & Cod Liver Oil with the Toffee flavour and ask for it. No other make has this same flavour.

*All shapes of Jars supplied, and a beautiful range of lithograph labels for your own name and address to choose from.*

This is a proposition which spells profit for all chemists and druggists. Fill in and post the coupon to-day.

Sole Manufacturers:

**C. TOLKIEN & CO., SILSDEN, Yorks.**

Telephone: 69 Steeton.

Telegrams: "Remogen, Phone, Steeton."

LONDON: 14 BOW LANE, CANNON ST., E.C.4. Telephone: 8643 Cent.

Please send samples, labels, terms, and full particulars of your "Butterscotch" Malt and Oil.

To.....

.....

.....

C.D.I.



## STOCKS OF PHARMACEUTICAL CHEMICALS

and Specialities Manufactured by MAY & BAKER, Limited, are held in the following centres, and particulars will be supplied on application to any of the addresses given :

**INDIA :**      **MAY & BAKER (India) Ltd.**  
HEAD OFFICE: **3 Mangoe Lane, Calcutta**

**Kalbadevi, Bombay**

**27, Sembudoss Street, Madras**

**312, Tseekai Maung Tawlay Street,  
Rangoon, Burma**  
**Lalkuan, Delhi**

### *SPECIAL REPRESENTATIVES :*

**K. R. DOSSON & CO., Golden Temple Chowk,  
Amritsar**

**AUSTRALIA :**      **F.C.MARRINGTON, 72 Pitt St., Sydney, N.S.W.**

**CHINA :**      **ANDERSEN, MEYER & CO., LTD., Shanghai**

**MALAYA & SIAM:** **ARTHUR JENKINS, P.O. Box 301, Singa-  
pore, S.S.**

**EGYPT :**      **J. P. SHERIDAN & CO., P.O. Box 1764, Cairo**

**PALESTINE and** **AMERICAN ENGLISH PRODUCTS AGENCY,**  
**SYRIA :**      **P.O. Box 205, Telaviv**  
**P.O. Box 619, Beyrouth**

**CANADA :** **MAY & BAKER (Canada), Ltd.**  
**922 Victoria Sq., Montreal, P.Q.**

**MAY & BAKER, Ltd., Battersea, London, S.W. 11**



For a **PERFECT** dance floor  
you can confidently recommend -

# BOVAL FLOOR GLOSS



No Wax  
No Worry  
Delightfully  
fragrant  
Creates No  
Dust

FOR  
BALL-ROOM  
FLOORS



Simply  
sprinkle  
on the floor  
- the dancers  
do the rest.

**PREPARE**

*for the*

**DANCING SEASON**

**by displaying**

**"BOVAL"**

**FLOOR GLOSS**

Packed in beautifully decorated  
sprinkler-top containers.

*Write for display terms.  
£5 order carriage paid.*

1 6 size	...	...	12 - doz.
2 6 "	...	...	20 - "

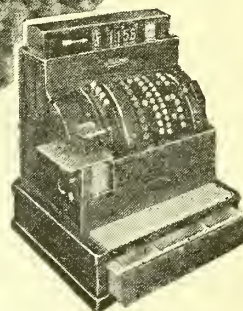
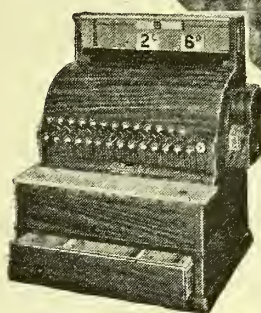
(P.A.T.A.)

*Stocked by London Wholesale Houses.*

**JAMES WOOLLEY  
SONS & CO., LTD.  
MANCHESTER.**



# Thousands more retailers will have a more Prosperous year in 1930



## RETAILERS

*in every trade are fast realizing :—*

- (1) That an efficient, leak-proof system of handling sales is as essential to success as volume of business.
- (2) That to continue to do by hand what a machine can do better is wasteful of time, work and money,

**As a result, the number of National Cash Register Systems adopted by British Retailers during 1929 broke all records.**

Every Cash Register feature of proved value is embodied in "Nationals." They eliminate mental addition. They uncover and stop profit leakages. They provide printed itemised records of all business done. They issue Printed Tickets or over-print Sales-slips. They remove temptation. They speed up service. They show which lines, assistants and departments are liabilities and which are assets. They minimise clerical work, and give a complete daily Balance in a few minutes.

Whatever the size or nature of your business there is a "National" (obtainable on easy terms) which will meet your needs exactly. We shall be glad to send full details or to arrange a demonstration of any "National." Why not get in touch with us? An enquiry involves no obligation and you owe it to yourself to know what a "National" can do for you. Give yourself a chance of getting all you earn in 1930. Post off the Coupon NOW!

# National

## CASH REGISTERS

The  
"National"  
shown above  
on the left gives  
separate Totals for Two  
Departments or Assistants.

The other Register eliminates  
mental addition. Issues Itemised  
Tickets or overprints Sales Slips.  
Provides up to Ten Separate Totals.

Showrooms and Service Depots  
throughout Great Britain.



To the  
N. C. R. Co.,  
Limited,  
225

Tottenham Court Rd.,  
London, W.1.

Please send details of

"Nationals" for .....  
(BUSINESS)

Name .....

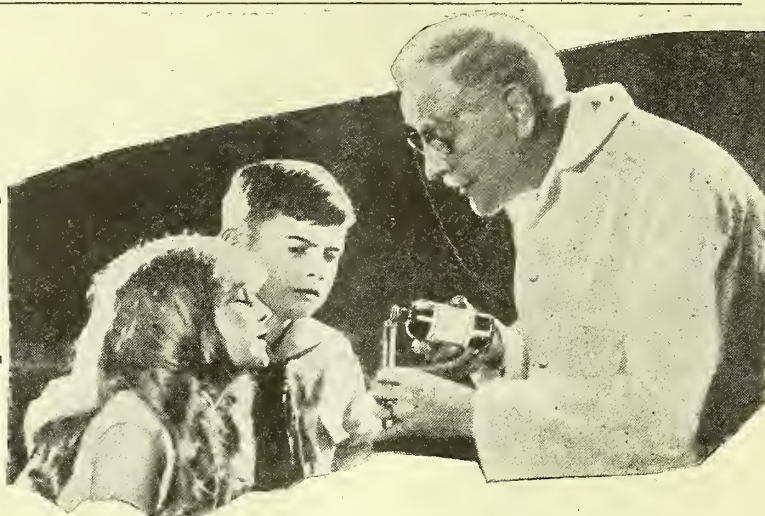
Address .....

C. & D.



THE *safe* ANTISEPTIC WITH THE *pleasant* TASTE

**GUARD  
AGAINST  
INFLUENZA**



# LISTERINE

BRAND

## ANTISEPTIC

**"Kills 200,000,000 germs in 15 seconds"**

—*The Lancet.*

THE search of the great Lord Lister was for an antiseptic destructive to germs | Now you can understand why you should use Listerine Antiseptic to ordinary colds

*Gargle with it for*  
**SORE THROAT**

Prices :—3 oz. bottle 1/6 7 oz. 3/- 14 oz. 5/6

OBTAINABLE AT ALL CHEMISTS.

The above advertising copy is typical of the campaign now appearing in the London Press.  
*Look to your stock and share in the demand which is being created.*

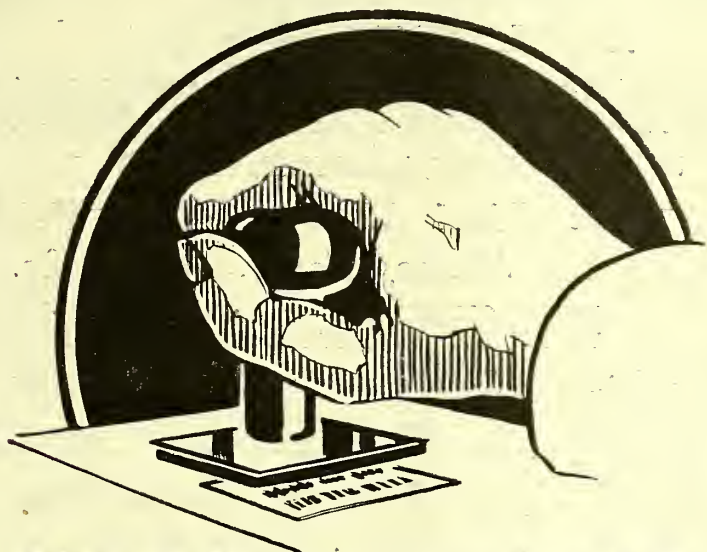
**S. Maw, Son & Sons, Ltd.,**  
Aldersgate St., London,  
and Barnet.

*Selling Agents for*

*Great Britain and Ireland*



# Maw's Page



## IMPRESSIONS —

Many millions of packages of Surgical Dressings are handed over the retail chemist's counter every year. Each of these packages makes a number of definite impressions on its purchaser. The outward appearance makes an impression when the package is first received and again whenever it is opened. The quality of the contents makes another impression every time they are used. Think of it, many millions of impressions, many times multiplied.

This is why Maw's have undertaken the actual manufacture of surgical dressings so that they might have complete control of the quality of the dressings they sell and also why they have spared no pains to present their dressings packages in such a way as to win the immediate approval of the customer. They never forget those millions of impressions and they do their best to make every one of them favourable.

Do not be misled into thinking that the decision as to what dressings you will handle is unimportant. Think always of the cumulative effect of those impressions on the rest of your business. Let Maw's Dressings leave with your customers an impression of quality and reliability.

**S. Maw, Son & Sons, Ltd.,**  
Aldersgate St., London,  
and Barnet.



TRADE

MARK



USE

**Fidac**

INSOLUBLE

**TRANSPARENT PAPER**

WHITE, COLOURED, EMBOSSED, PRINTED

*The Ideal Wrapping for Perfumery  
Soaps, Toilet Goods, &c.*EITHER COLOURLESS OR COLOURED TO HARMONISE  
WITH GOODS. BAGS OF ALL SIZES AND SHAPES TO ORDERSole  
Agents*Samples and Competitive Price from***W. S. MUIR & Co., Ltd.****83 Upper Thames St., London, E.C.4.**

Phones: City 6164, 6165, 0667.



**SENDING YOU  
CUSTOM**

The national advertisements for Drummers are in full swing making more and more customers. Bring them into your shop, use the powerful displays and sales helps we offer free—and have a good stock of this favourite dye.

Trade terms and a full range of advertising matter free on receipt of post-card.

**DRUMMER  
DYES**

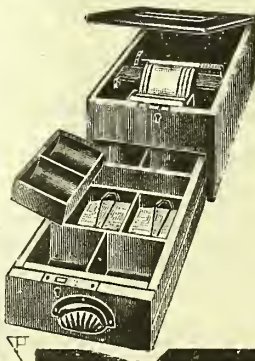
**4<sup>D</sup>**

**EDGE'S  
BOLTON**

**NURSE HARVEY'S MIXTURE**

A safe, simple and reliable remedy for Children's Ailments is advertised so extensively in the daily and weekly Press as to bring mothers to the retailer without effort on his part.

The selling has been done before the mother reaches the chemist, and, having supplied her, it is only common sense to claim she will buy other family necessities from him. Moreover, the continuous demand for it produces a quick turnover.

*For Direct Terms apply to—***OSCAR SCRUTON & CO., YORK****PROSPERITY**

depends on efficient business methods. Modern conditions demand systematic cash checking as secured by the Gledhill Till. The *Self-Closing Imperial* checks every penny, enables you to get a quick dissection of your sales and ensures an accurate record of all your takings.

Start the New Year well by getting this wonderfully efficient system.

*Catalogues free from***G. H. GLEDHILL & SONS, LTD.**  
16 Trinity Works, Halifax, Eng.



# THE FOUNDATION OF GOOD HEALTH

## A BIG NATIONAL ADVERTISING CAMPAIGN AND £1,000 IN CASH PRIZES

1,000 COMPETITION  
COUNTER WRAPPERS  
with every order for two dozen.  
Send your order direct to us  
and we will supply through  
your usual wholesaler but  
send direct to you 1,000  
Counter Wrappers announcing  
the Competition.

## TO WIDEN THE DISTRIBUTION OF FOOT FOAM

The NATURAL HEALTH TONIC for the Feet.

NATIONAL ADVERTISING CAMPAIGN opens on JANUARY 12th, with large display announcements in the "Sunday Pictorial," "Daily Mirror," "Daily Sketch," "Daily Mail," "News of the World," "Sunday Dispatch" and "Sunday Graphic," and other prominent newspapers and periodicals.

The £1,000 in Cash Prizes is a COMPETITION FOR PERFECT FEET

to stimulate and develop sales and to focus public attention on the hygiene of the feet, as in them is the foundation of good health. Healthy feet mean a healthy body, and FOOT FOAM puts the feet on the road to perfect health.

**THIS SALES-MAKING PUSH**  
means for you a **READY-MADE AND QUICK  
RETURN OF 33 $\frac{1}{3}$ %.**  
**STOCK UP NOW READY TO SUPPLY ON DEMAND.**



# FOOT FOAM

### PRICES

#### RETAIL

Single packets 8 $\frac{1}{2}$ d.  
Three packets 2/-

#### WHOLESALE

5/4 per dozen packets  
in cartons of two  
dozen each.

Full range of attractive display material with  
orders of two dozen each and over.

### USE THIS COUPON

**FOAM PREPARATIONS, LTD.,**  
The Session House, Clerkenwell Green, E.C.1

Please supply ..... dozen FOOT  
FOAM at 5/4 per dozen through

Messrs. ....  
(insert here the name of wholesaler.)

Name .....

Address .....

Date.....

(Write in block letters.)

# BACKING UP THE CHEMIST

The announcement below is reprinted from the supplement to the December Bulletin of the Retail Pharmacists' Union.

We wish to make no further comment except to direct attention to the interesting suggestion outlined in the last paragraph, and to say that we shall be very pleased to give every assistance to those who wish to put the idea into practice.

## **MARSHALL'S LYSOL and HIND'S HONEY & ALMOND CREAM.**

We are pleased to announce that in response to a question put by the R.P.U., the proprietors of the above articles, who are just issuing new sixpenny sizes, have given the following assurance :—

“ We are not now, nor will we at any future time, make use of other than our present channels of distribution, which are the Retail Chemist and the legitimate Toilet Shop. Every precaution will be taken to ensure that supplies are strictly withheld from ‘ Sixpenny ’ Bazaars and similar organisations.”

The policy of the firm is to cultivate the friendship of the Chemist, and their advertising of Hind's Cream is good evidence of their policy. This new announcement is further proof.

We ask our members to give this firm all possible encouragement.

Those who have to fight the competition of the “ Sixpenny ” Bazaars will realise what the undertaking which is set out above really means.

It may be a paying proposition for such chemists to face the demand for “ Sixpenny ” lines by special shows, both in the window and on the counter, of suitable selected lines, of which Hind's Cream and Marshall's Lysol will obviously be the first on the list.

With acknowledgments to the R.P.U.

---

**LYSOL LIMITED, LONDON, S.W.20**



# UNIQUE & STRIKING

A full  $\frac{1}{4}$  ounce of Iodine in a capillary bottle. Touched lightly on the wound or injury, just sufficient Iodine escapes to form a protective and healing film.

Screw Cap. No waste.  
Immediate treatment.  
No contamination.

## AYRTON'S

Startlingly brilliant pack of a much needed article. Each bottle cartoned and cellophaned. The counter display - box conveys an instant message which results in a sale.

Per dozen	.. ..	5/-
Six dozen	.. @	4/9
Gross lots	.. @	4/6



## AYRTON'S

OF LIVERPOOL, ENG.

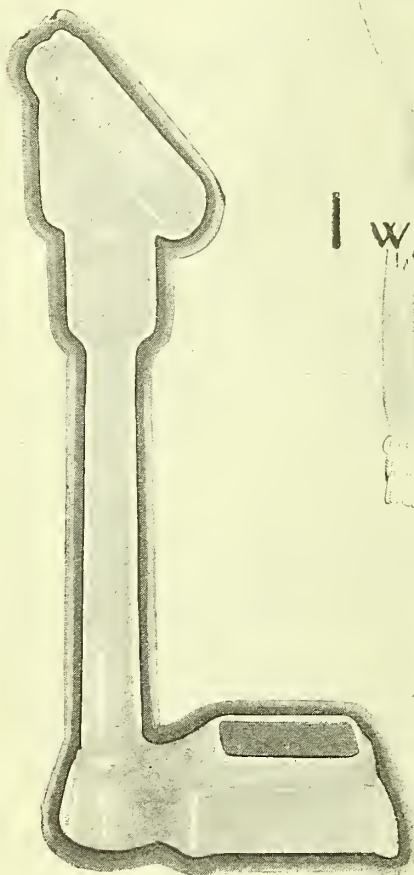
PRE-EMINENT FOR PACKED GOODS



*"Just a minute, my dear . . .*



*I want to weigh myself"*



WRITE AND ASK FOR FURTHER  
INFORMATION ABOUT THE A676  
AVERY PERSON WEIGHER

**Every time your  
customers say this—**

You add to your income, and  
before long it is all net profit,  
because the machine requires  
no personal attention, no  
salesmen, no upkeep costs,  
and it carries the AVERY  
free maintenance service.

Placed in a good position  
it will more than earn the  
monthly payments.

**AVERY**

**W. & T. AVERY, Ltd. (Coinfreed Department) SOHO FOUNDRY, BIRMINGHAM**





## SHOWCARDS for "EMULSION" PASTILLES

**F**EW pharmaceutical products are more satisfactory to handle than really good Pastilles—"EMULSION" Pastilles. Everybody will be needing them during the next few months and a timely reminder that you are ready to meet the demand will thus prove well worth while. You will find the above showcards very useful. The more you show them the more Pastilles you will sell.

The cards measure about 15" x 8" and are printed in green, black and red. Please mention "Panel Showcards" on your order.

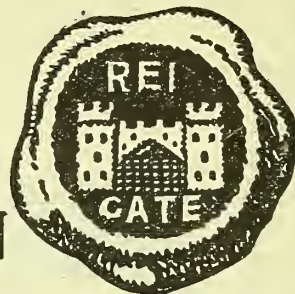
To EXPORT BUYERS—All orders and enquiries should be addressed to our Sole Export Agents  
Wm. ALFRED JONES Ltd., West India House, Liverpool.

**THOMAS KERFOOT & CO. LTD.**  
BARDSLEY VALE, LANCASHIRE,  
& Bardsley House, London, N.1  
ESTABLISHED 1797.

D/365

COPYRIGHT

**OIL of LEMON**  
**SOLUBLE OIL of LEMON**  
**TERPENELESS OIL of LEMON**  
**SESQUITERPENELESS OIL of LEMON**



The high standard of **QUALITY** invariably maintained by each of these Lemon products is such as to ensure true **ECONOMY** in use—as well as the maximum of effectiveness for its individual purpose. Therefore, *if it's Lemon, ask*

**White, Tomkins & Courage Ltd.**  
**REIGATE, Surrey.**

Telephone : Reigate 480

Telegrams : Essuhits, Reigate.

The original combined Cream and Powder

la **VELOUTY**

de **DIXOR** Paris



*The advertised line that you are asked for.*

**NOW ON P.A.T.A.**

**Samples free upon receipt of trade card or billhead.**

<b>PRICES :—</b>	Full size pot -	21/- doz.	<b>RETAIL</b>	2/9
	Super tube -	22/- "		3/-
	Large tube -	14/- "		2/-
	Medium tube	7/- "		1/-
	Handbag tube	3/- "		6d.

*Made in four shades :*

**WHITE, IVORY, NATURAL and OCHRE.**

Obtainable from your regular Wholesaler or direct from the Sole British Agents

**DEBACQ & HARROP,**

68 Newman Street, Oxford Street, London, W.1.

*Sole Distributors for*

Northern Ireland : **ROBERT MAYRS & CO.,** 43 Chichester Street, BELFAST  
 Irish Free State : **MAY ROBERTS & CO. LTD.,** Grand Canal Quay, DUBLIN





# GUARANTEED PURE ENGLISH PEPPERMINT OIL

Grown & Distilled from Mitcham Plants

By

**Chivers & Sons Ltd.,**  
Histon, Cambridge, England.

SAMPLE AND QUOTATION ON REQUEST FROM THE SOLE SELLING AGENTS  
**BRUCE STARKE & CO., 16 WATER LANE, GREAT TOWER ST., LONDON, E.C.3**

# MYSORE GOVERNMENT SANDALWOOD OIL

DISTILLED FROM SANTALUM ALBUM, LINN.



*This Mark is the* **GUARANTEE**

**Trade Commissioner for Mysore in London**  
**Grand Buildings, Trafalgar Square, LONDON, W.C.2**

Telephone : Gerrard 4412.

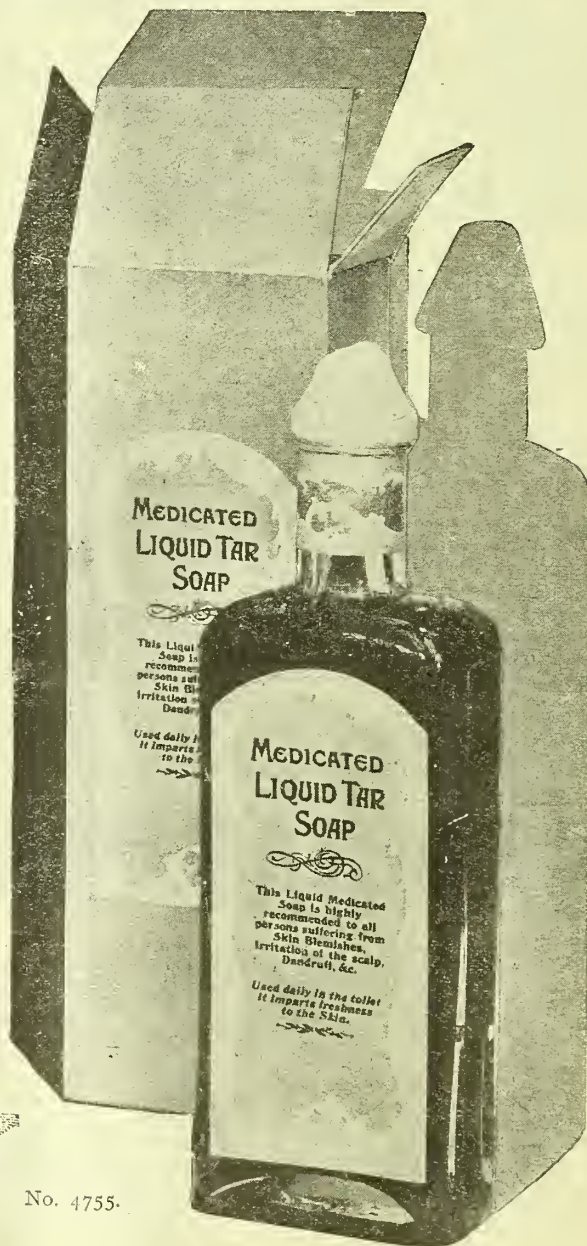
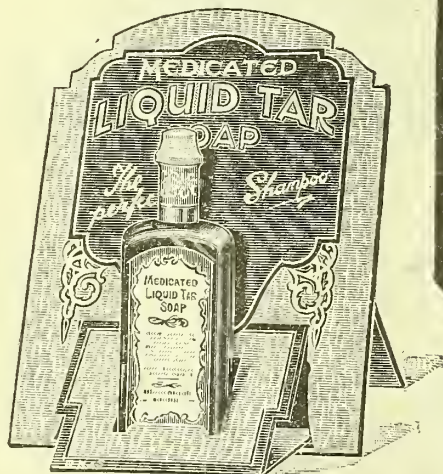
HOVENDEN'S  
**PINE TAR WET SHAMPOO**  
 (MEDICATED)

The only one of  
 its kind on the  
 market

**Absolutely  
 no  
 Sediment**

No. 4755 10/6 doz.

Name  
 and address free  
 for 6 doz. orders



No. 4755.

*Display showcard supplied free*

**R. HOVENDEN & SONS, LTD.**

LONDON : 89-95 City Road, E.C.1 and 29-33 Berners Street, W.1

Telephone : Clerkenwell 7601 (3 lines) Telephone : Museum 2810 (4 lines) 7553 (3 lines)



# Whitaker's

## SPECIAL EXPORT NOTE.

Buyers should write to-day for our Special Export Prices and Discounts for "LUTON" and "AURORAL" Dyes, etc. In addition to the well-known Standard Product for the Home Trade, "LUTON" Hat Dyes are specially manufactured in a Non-inflammable Series for the Colonial and Foreign Markets.

## DYES ARE ESSENTIALLY "CHEMIST'S LINES"

The past 50 years have seen the commencement and development of a complete revolution in the nature and use of Dyes and form an altogether unique period of progression in the field of scientific research. Throughout this period Whitakers have been in close touch with every forward step and have devoted their technical knowledge and energy to adapting the new and beautiful dyestuffs as they became available for general and household use.

They have done this with special regard to the Chemist's trade, and all the Firm's advertising for years has specifically directed the Public to their Chemist. To-day they are proud to be able to say that practically every Chemist in the Country knows and recommends their goods.

SURELY IT IS FAIR TO CLAIM THAT SUCH ESSENTIALLY SCIENTIFIC PRODUCTS AS DYES ARE AMONG THE CHIEF SPECIALITIES WHICH THE PUBLIC SHOULD EXPECT TO FIND IN ANY PHARMACY, AND WE ARE CONFIDENT THAT CHEMISTS WILL GIVE EVER-INCREASING SUPPORT TO THE HOUSE WHICH HAS ALL ALONG MADE CO-OPERATION WITH THE CHEMIST A LEADING FEATURE OF ITS POLICY.

## SPECIAL DISCOUNTS.

All orders subject to 5 per cent. discount for Cash against Invoice. On orders to the value of £4 and upwards we allow 2½ per cent., with the additional 5 per cent. for Cash against Invoice. On orders to the value of £8 and upwards we allow 5 per cent. with the additional 5 per cent. for Cash against Invoice. We pay carriage on orders to the value of £4 and upwards, and also send post free 6 Dozens and upwards Packet Dyes.

## LUTON STRAW HAT DYES.

These Dyes, with a world-wide reputation for excellence, are manufactured in the following shades:—Black, Poppy, Navy Blue, Primrose, Purple, Pink, Ruby, Heliotrope, Emerald Green, Dark Brown, Old Rose, Jade Green, Nattier Blue, Nut Brown, Olive Green, Burnt Straw, Grey, Royal Purple, Royal Blue, Myrtle Green, Nigger Brown, Saxe Blue, Rust, Brown, Kingfisher Blue, Mole, Almond Green, Flame, Silver Grey, Fuchsia, Royal Mail Red, Golden Brown, etc. Any other shade can be matched or supplied.

PRICE 12/- PER DOZEN LARGE BOTTLES. (Subject to the Special Discounts shown below.) RETAIL P.A.T.A., 1/4 PER BOTTLE.

ALSO "LUTON" FABRIC DYES (The Ideal Boiling Dyes for Home Use), "VELT" (The Super Cleaner), and a full range of Stains, Varnishes, Lacquers, Colours and Dyes for all purposes, especially adapted for Home use, and packed in a manner which merits their display in the most high-class Pharmacy. Write to-day for Catalogue.

## AURORAL COLD WATER DYES.

These famous Cold Water Dyes for Silks and Delicate Fabrics are manufactured in the following shades:—Flesh, Lavender, Jade Green, Rose, Emerald, Apricot, Pale Blue, Mastic, Silver Grey, Mauve, Shell Pink, Apple (Almond) Green, Peach, Eau-de-Nil, Cherry, Lemon, Cream, Brick, Navy Blue, Golden Brown, Dark Green, Kingfisher Blue, Fawn, Old Rose, Saxe Blue, Mulberry, Flame, Heliotrope, Champagne, Primrose and Beige.

PRICE 4/- PER DOZEN PACKETS. (Subject to the Special Discounts shown below.) RETAIL P.A.T.A., 6d. PER PACKET.

**WHITAKER & CO. (KENDAL), LTD.**

TELEGRAMS: "DULLETTE, KENDAL."

London Office and Showrooms: 179-185 Great Portland St., W.1.

Est. 1878.

COLOUR WORKS  
KENDAL.

TELEPHONE: 214.

Telephone: Welbeck 3715



# STANIFORM



## STANIFORM PREPARATIONS HAVE ESTABLISHED A NEW MARKET FOR RETAILERS!

**60%**  
**PROFIT**  
**ON A 22/6**  
**ORDER**

**STANIFORM**

BRAND  
PREPARATIONS

*Staniform Ointment for Abscesses,  
Acne Blisters, all skin Ailments,  
Insect Bites, Burns, etc.*

Small Tube	1/3
Large Tube	2/6
Pot	2/6

*Staniform Dusting Powder  
(Sprinkler Epi)*

Small Tin	1/3
Large	2/6



Staniform Ointment and Dusting Powder—recognised by the Medical Profession and Hospital authorities as a reliable therapeutic agent in cases of abscesses, acne, burns, septic wounds and all skin ailments.

Staniform is being extensively advertised in the big national newspapers, the public demand is growing fast for this latest and greatest Discovery in Healing Salves, so see your stocks are right and reap the benefit of

**OUR SPECIAL OFFER on the OPPOSITE PAGE.**

Staniform Brand Preparations obtainable through all leading wholesale houses. On P.A.T.A. List.

Write for Price List as illustrated, and supply of booklets, 'Helpful Hints for Everyday Ailments,' for counter distribution.

**STANIFORM LTD.**  
**CARNWATH ROAD**  
**LONDON S.W.6**

Telephone :  
PUTNEY 7176.



**THIS CARD**  
Containing  
**6 STANIFORM**  
Pocket Companions  
**GIVEN FREE**  
with 22/6 order



# A SPECIAL NEW YEAR BONUS! DURING JANUARY

This attractive card, containing 6 "Pocket Companions" of Staniform Lotion, given free with every order of Staniform Preparations to the value of 22/6.

Staniform Lotion is an efficient first-aid dressing for chilblains, chapped hands, burns, etc.

Staniform Brand Preparations are obtainable through all leading wholesale houses. To avoid delay, orders will be sent direct if desired and your usual wholesaler credited.

RETAIL 1/- P.A.T.A.

**STANIFORM LTD.**  
CARNWATH ROAD.  
LONDON S.W.6.

Telephone: PUTNEY 7176.





# British Industries Fair-1930

Olympia  
London, W.14

February 17  
to  
February 28



THIS year the Fair will be more comprehensive than ever before in the new surroundings at Olympia.

The Chemical, Drug and Perfumery Sections have long assumed International importance and will receive especial attention from Home and Overseas buyers.

A SPECIAL SUPPLEMENT  
IN COLOUR will be inserted in  
**THE CHEMIST & DRUGGIST**  
OF  
**FEBRUARY 15.**

In order to assist exhibitors in focussing interest on their particular products a suitable announcement will not only obviate an original preparation being overlooked but it will stimulate the curiosity of visitors in the general display.

All particulars regarding available space in this supplement from

THE PUBLISHER,  
**THE CHEMIST & DRUGGIST**  
42 Cannon Street, London, E.C.4

Telephone :                      Telegrams :  
Central 3617 (3 lines). "Chemicus, Cannon, London."

49 County Buildings  
Cannon Street  
MANCHESTER

54 Foster's Buildings  
High Street  
SHEFFIELD

19 Waterloo Street  
GLASGOW

MELBOURNE AND SYDNEY - AUSTRALIA  
AUCKLAND, NEW ZEALAND



# IT PAYS TO PUSH GENOZO

*because*

(1) It shows **40%** profit on selling price if purchased on best terms (£5 mixed parcels of Genatosan Products).

(2) Sales are *actually* confined to the Chemist's Trade.

*"Chemists are asked to give this article their assistance in every possible way."*

*R.P.U. Supplement—July, 1929.*

GENOZO Brand TOOTHPASTE • • British made by Genatosan Ltd.

# DEARBORN (1923) LTD.

37 Gray's Inn Road, London, W.C.1

Telephone: HOLBORN 9669

## Toilet Specialties.

	Price per doz. to Retailer	Selling Price P.A.T.A.
<b>PILENTA SOAP</b> .. ..	10/-	1/-
A complexion soap.		
<b>PROLACTUM</b> .. ..	10/-	1/-
For the lips.		
<b>PARSIDUM JELLY</b> .. ..	10/-	1/-
For wrinkles.		
<b>ALLACITE OF ORANGE BLOSSOM</b> .. ..	22/6	2/6
A dressing cream.		
<b>BORANIUM</b> .. ..	22/6	2/6
A hair tonic.		
<b>CLEMINITE</b> .. ..	22/6	2/6
For a face lotion.		
<b>COLLIANDUM (Powder &amp; Solide.)</b>	22/6	2/6
For a face tint.		
<b>PERGOL</b> .. ..	22/6	2/6
A deodorant.		
<b>TEKKO PASTE</b> .. ..	22/6	2/6
Camphor cream.		
<b>STALLAX</b> .. ..	13/6	1/6
For a shampoo.	22/6	2/6
<b>JETTALINE</b> .. ..	31/6	3/6
For clearing the skin.		
<b>PHEMINOL</b> .. ..	36/-	4/-
A depilatory.		
<b>MENNALINE</b> .. ..	36/-	4/-
For the eyelashes.		
<b>MERCOLIZED WAX</b> .. ..	18/-	2/-
A face cream.	31/6	3/6
<b>STYMOL</b> .. ..	36/-	4/-
For oily complexions and blackheads.		
<b>SILMERINE</b> .. ..	22/6	2/6
Hair-curling fluid.		
<b>BARSYDE</b> .. ..	22/6	2/6
Dandruff eradicator.		
<b>TAMMALITE</b> .. ..	22/6	2/6
For grey and faded hair		
<b>LIQUID PERGOL</b> .. ..	31/6	3/6
To check excessive perspiration locally.		
<b>BICROLIUM</b> .. ..	22/6	2/6
For whitening the hands.		
<b>COCONOIDS</b> .. ..	31/6	3/6
For figure development.		
<b>SIPOLITE</b> .. ..	18/-	2/-
A new depilatory.		

### The Products of

Messrs. PARKER, BELMONT & CO.

<b>CLYNOL BERRIES</b> .. ..	36/-	4/-
For obesity.		
<b>SOFT PALERIUM</b> .. ..	45/-	5/-
For wrinkles.		
<b>LIQUID NAIL POLISH</b> .. ..	10/-	1/-
Brilliant and lasting.		

Stocked by ALL Wholesale Houses.

### FOREIGN AND COLONIAL DEPÔTS AND AGENCIES.

South Africa: LENNON, LTD., Cape Town, etc.  
SIVE BROS., & KARNOVSKY, LTD., Johannesburg.  
India: FRAMJEE & SON, Bombay.  
A. L. CHOUDRY, Calcutta.  
New Zealand: HARLAND & CO., Auckland and Wellington.  
Irish Free State: MAY, ROBERTS & CO., LTD., Dublin.

Every bottle  
gives you  
**PROFIT 1/3**

and repeats always  
follow - - -

Perm Brow, the new perfectly harmless liquid eyebrow beautifier, blackens eyebrows and lashes to an alluring darkness and being waterproof it stays on. Its unique qualities have influenced recommendation and repeat orders from almost everywhere. Get a stock to-day, and give it a display—profits will come easily.

Obtainable from all  
Wholesale Houses or  
direct from—

**MIRUS, LTD.,**  
West End Sales  
Office:  
53a Maddox St.,  
W.1.

**MAGNETIC  
EYES**  
HAVE  
WONDERFUL  
CHARM



Wholesale

**18/-**

per doz.

Retail

**2/9**

per bottle.

## TATCHO Sample Size 6D

THE  
**HAIR RESTORER**

6 Bottles in Case for  
Counter Display,  
4/- PER DOZ.

PROMOTES, PRODUCES, 1/3 size .. 12/6 per doz.  
BEAUTIFIES THE HAIR 2/9 size .. 26/- per doz.  
TATCHO Laboratories, 5 Great Queen Street, London, W.C.2

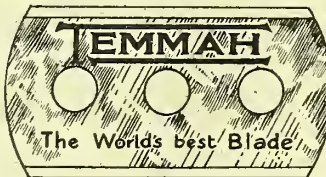
THE **TEMMAH** BLADE

YIELDS **86%** PROFIT

BONUS 2 DOZEN (and attractive Showcards) on 1 gross.

**15/-**  
Gross  
(14 doz.)

Initial  
Orders  
on sale  
or return.



**2d.**  
each  
Retail.

Direct or  
from all  
Wholesalers.

YOU WILL FIND THEY SELL ON MERIT ALONE.

**TEMMAH PRODUCTS LTD.**

14/16 LOWER CLAPTON RD., LONDON, E.5

## For 137 years

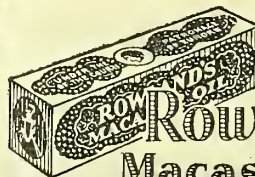
Rowland's Macassar Oil has been a favourite dressing for the hair. It keeps the hair healthy, and prevents the encroachment of greyness and baldness

Of all Wholesalers.

RETAIL,

3/6, 7/- & 10/6

P.A.T.A.



**Rowland's  
Macassar Oil**

Red for  
dark hair  
Golden  
for fair or  
grey hair

A. ROWLAND & SONS, Ltd., 112 Guilford St., London, W.C.1





## A DISPLAY SUGGESTION

*Attractive Screen and Window Slips Free. For Sample Package and Quotation write*

**LORIMER-MARSHALL, LTD. 12 Tower Hill, LONDON, E.C.3.**

Works Telephone: NEW X 2119.

Telegrams: "LORIMARSCO, BILGATE, LONDON."

# Nuctone

*Order through your usual  
wholesaler, or from*

**J. C. GAMBLE & CO. LTD.**  
211 BLACKFRIARS ROAD,  
LONDON, E.C.1

**FOR GREY HAIR —**

NUCTONE ECLAIRE, ECLAIRE CONCENTRE  
NUCTONE AND NUCTONE CONCENTRE

*Manufactured by*

**STEWART, GOODALL  
& DUNLOP, LIMITED,**  
4 DERING STREET,  
LONDON, W.1

## MASQUE ROUGE THE POPULAR AND PROFITABLE PERFUME

**PARFUMS MARCEL GUERLAIN LTD.**  
Regent Arcade House, 252-260 Regent St., LONDON, W.1

## THE HOUSE FOR QUALITY IN PUFFS

NOVELTIES ALWAYS AVAILABLE  
**COMPACT POWDERS**



Specially Prepared.  
Any Tint. Any Perfume.  
**F. SCHUTZE & Co., Ltd.**

BLACK BULL WORKS, CALEDONIAN ROAD, LONDON, N.7

## Sunshine Remedies

INCLUDING THE NOW FAMOUS

**ANTI-ACID TABLETS, "TOXINICON"** for Rheumatic diseases  
**GOLDEN-RAY SHAVING SOAP** The only Soap with antiseptic Vaseline  
centre  
**SOLEIL D'OR PERFUME & TOILET PREPARATIONS**

London Chemists are invited to send their "Sun Ray"  
patients to our private rooms. Trained Staff in attendance

ASK FOR DETAILS.

Write for Descriptive Catalogue,  
**Sunshine Remedies, Ltd.**  
8 West Halkin Street, S.W.1

Telephone: Sloan 4133.



## THE ONLY RUBBER SPONGE

WHICH WILL GIVE  
FULL SATISFACTION



IT NEVER CRUMBLES

AND

Provides the luxury of a sponge which is really hygienic, soft, free from grit, and durable.

Also

## SORBELLE

SORBELLE is the newer Sorbo range of Sponges, having all the Sorbo consistency and softness, but is offered at prices to meet foreign competition. Sorbelle, although offered at low prices, is nevertheless a GENUINE SORBO PRODUCT.

**Sorbo**  
TRADE MARK

*Sole  
Manufacturers:*

**SORBO RUBBER-SPONGE PRODUCTS LTD.**  
SORBO WORKS, WOKING, SURREY.

Phone: Woking 966.

Grams: "SORBO, Woking."

**HONEST "FACE" VALUE THAT  
MAKES SHAVING A PLEASURE AND  
INCREASES SALES & PROFITS !!!**

OBTAINABLE OF ALL WHOLESALE HOUSES

SHEFFIELD  
STEEL

**AMO**

GILLETTE  
TYPE

**SAFETY RAZOR BLADES**

**SEND FOR FREE TESTING SAMPLE  
AND ILLUSTRATED CATALOGUE**

Phone Av. 8846

**L. FRANKENBERG, 125 Houndsditch, London, E.C.3**



**Sheer Merit  
is selling  
This Blade.**

**FLEET** is the lowest-priced of the Quality Blades made in Sheffield. **Retails at 3 for 7½d.**

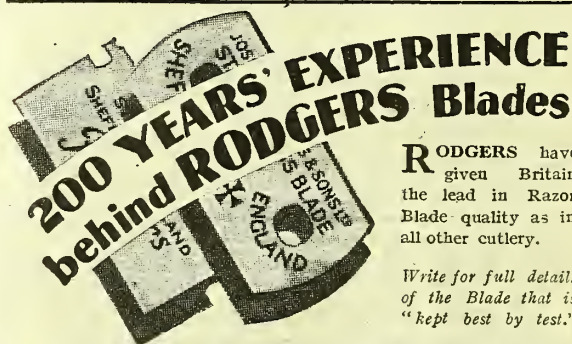
**FLEET** offers you **HANDSOME PROFIT.**

**FLEET** keenness and long life get repeat Sales.

Liberal Bonus for Window Displays.

*Terms and Sample from:—*

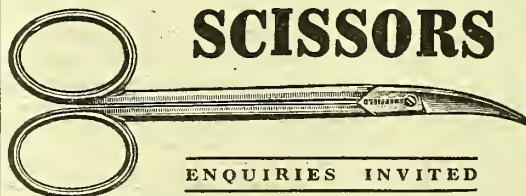
**DOMINION STEEL CORPORATION, Ltd.**  
Fleet Works, Queen's Road, SHEFFIELD.



**RODGERS** have given Britain the lead in Razor Blade quality as in all other cutlery.

*Write for full details  
of the Blade that is  
"kept best by test."*

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*Cutlery to His Majesty.*

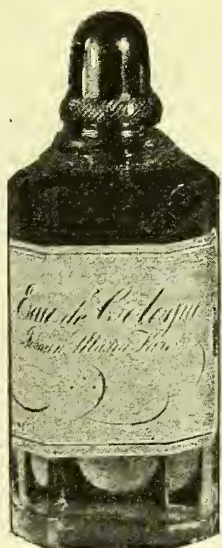


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Wheeldon Street, SHEFFIELD



## TRY THESE QUICK SELLING LINES

Superfine Johann Maria Farina Eau de Cologne  
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Duty-free Spirit.



	4 oz. Square.	2 oz. Square.	2 oz. Cellophaned.	2 oz. Watch Shape.	1 oz. Watch Shape.
Eau de Cologne	16/- Doz.	9/6 Doz.	8/9 Doz.	9/- Doz.	5/6 Doz.
Lavender Water	16/- Doz.	9/6 Doz.	8/9 Doz.	9/- Doz.	5/6 Doz.

ORDERS TO THE VALUE OF £2 AND OVER CARRIAGE PAID.

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## SPHERE SUPERB POWDER PUFF

A new Puff made of Sylkie-down Velour. The pile on this beautiful puff is produced in such a way as to retain just sufficient powder to enable the user to apply it smoothly and evenly, without streaks, as is the case with coarser materials.

Supplied in assorted colours and sizes.

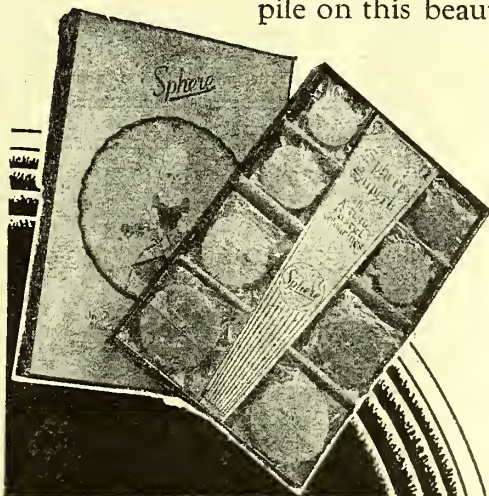
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**No. PF 50** as illustrated, 2 doz.  
in a box ... **7/6** per box.

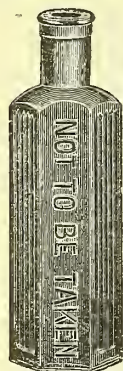
Assorted Six Puffs each 2", 2½", 2¾",  
and 3¼" to the box.

Wholesale only:

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Have the following advantages  
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**ACCURATE CAPACITY**  
**UNIFORM SHAPE**  
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**UNIFORM COLOUR**

Stocks kept of the following sizes in  
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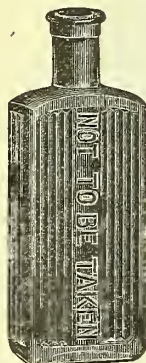
Original  $\frac{1}{2}$  1 2 3 4 6 & 8 oz.  
Crates 25 15 10 6 5 4 4 Gross.

Packed in straw bundles or corrugated  
partitioned boxes.

Only Wholesale Houses Supplied.

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A sound bottle is a good investment  
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Of correct capacity, with uniform  
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Duncan St., Salford

Telephone 1018 Trafford Park ESTABLISHED 1851. Telegrams "Attention," Salford



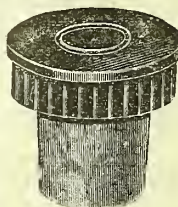
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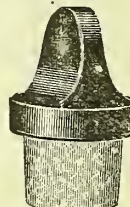
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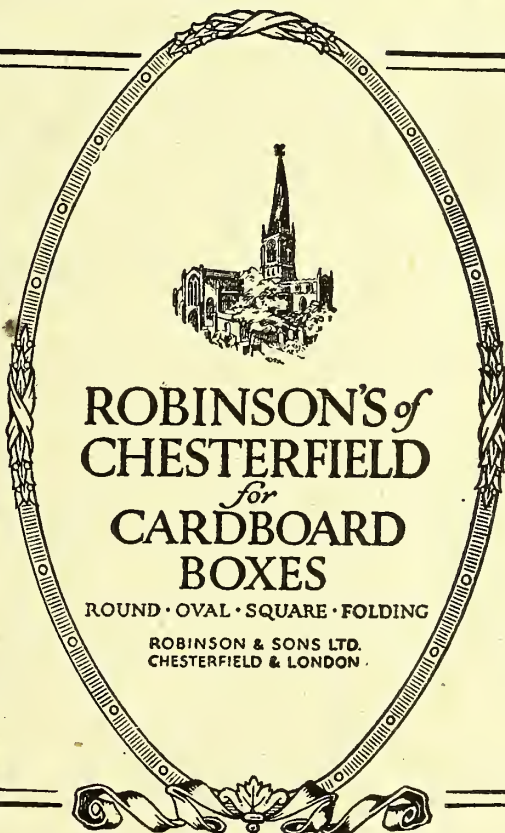


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*for*  
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**Every dog-owner  
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DOG owners who read these leaflets become regular and intelligent users of dog medicines.

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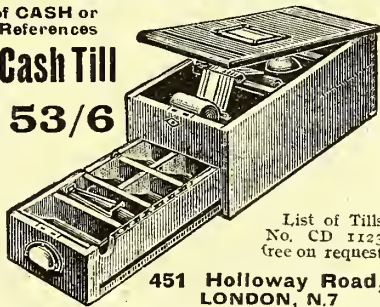
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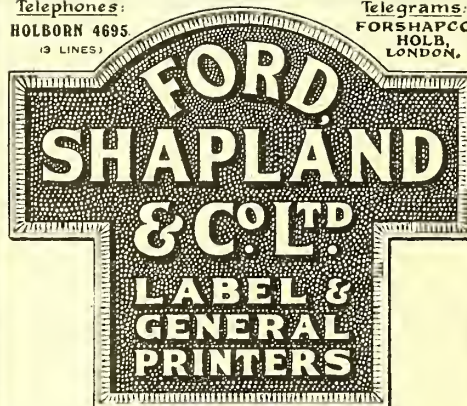
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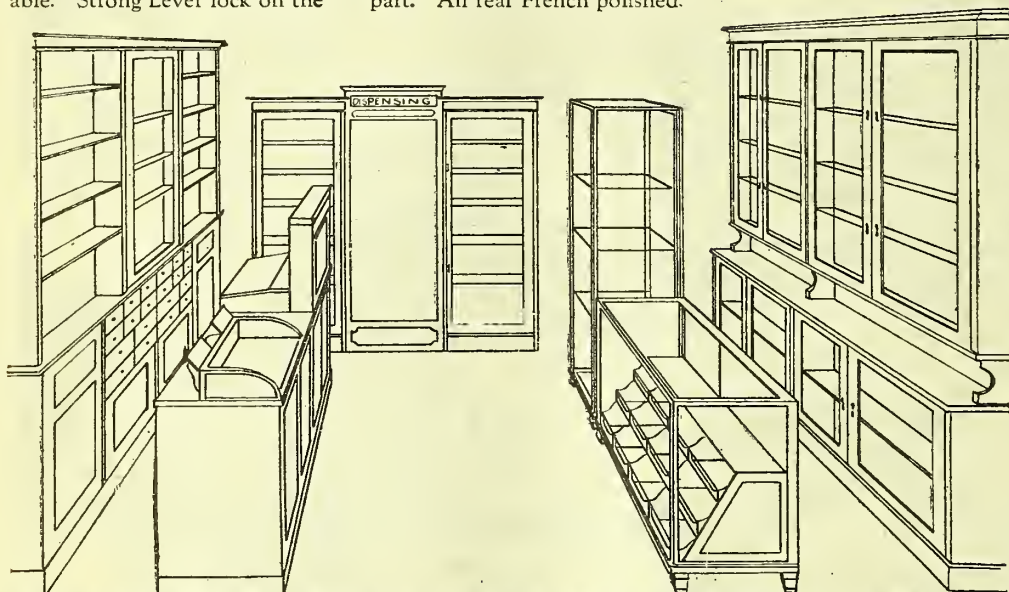




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OUR MOTOR PASSES YOUR DOOR  
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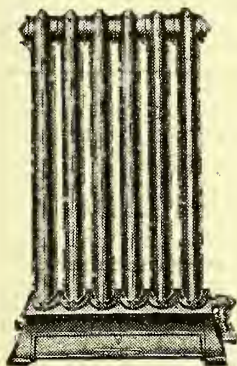
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**GUARANTEED FULL CAPACITY.**

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Brilliant Amber Glass, English  
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This guarantees "All-English" (Pharmaceutical) Malt Extract or Malt Extract with Cod-Liver Oil and can only be supplied by authorised manufacturers or packers.

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30 SHADES

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It can be trimmed to fit your window and you will always be glad you took advantage of this offer. It comes to you free and post free, and is a gift you will really appreciate.

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The Sign of  
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*Of  
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*Look  
to your  
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POTTER'S CATARRH PASTILLES are of outstanding merit, and the public confirm this statement. They are again being widely advertised to an ever-growing consumer population all over the world, and the demand is keen. There is good business and good profit for YOU in this line.

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In Boxes of 1/2 Dozens.

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We pack for the Chemist  
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## a new Swedish blade

with a  
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**Matador**  
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MATADOR is a safety blade made of Swedish tempered ribbon steel—the finest in the world for safety blades. It is sharper. It lasts longer.

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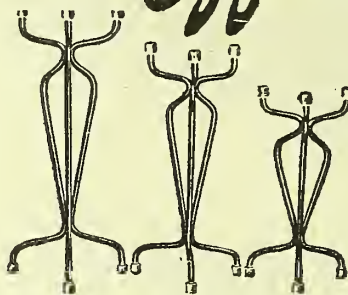
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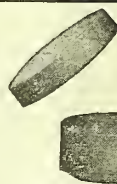
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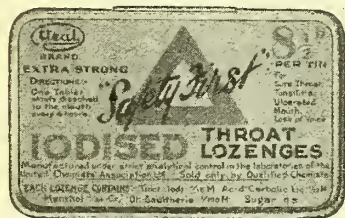
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# Contents

No. 2

Series 2605

Vol. 112

## PAGE

Almanacs and Calendars .....	31
Births .....	42
Book-keeping for Chemists—VII .....	36
Books, New .....	48
Business Changes .....	35
C. & D. Commercial Compendium .....	57
Coming Events .....	35
Corner for Students ..	49
Correspondence:—	
Letters .....	55
Legal Queries .....	56
Miscellaneous Inquiries .....	56
Dorkov Iodide Waters	39
Deaths .....	42
Editorial Articles:—	
Scientific Nomenclature and Style .....	44
Customs and Excise Report .....	45
Increasing Bismuth Production .....	46
Index Londinensis ..	45
English News .....	31
Festivities .....	33
French News .....	33
Gazette .....	35

## PAGE

Information Department .....	42
Insurance Act Dispensing .....	48
Irish News .....	32
Legal Reports .....	34
Mercury from New Zealand .....	50
National Mark Malt Products .....	40
New Companies and Company News ..	34
Observations and Reflections .....	43
Personalities .....	42
Pharmaceutical Society of Great Britain:—	
Council Meeting ....	38
Pharmacies as Restaurants .....	49
Post-Deputational Reflections .....	47
Retrospect .....	56
Scottish News .....	32
Trade Marks .....	41
Trade Notes .....	41
Trade Report .....	51
Tung Oil from Kenya	50
Wills .....	35

## Almanacs and Calendars

MR. PETER FENTON, chemist, Whytescauseway, Kirkcaldy, issues a calendar (13 in. by 8½ in.) with a Neapolitan view in colours.

T. RIDLEY & SON (CHEMISTS), LTD., Carlisle and Wigan, issue for the thirty-seventh year an almanac (8½ in. by 5½ in., 96 pages) whose contents are varied and include a puzzle competition.

FORD, SHAPLAND & CO., LTD., Great Turnstile, High Holborn, London, have sent in a block calendar on a stout card (18½ in. by 14½ in.), having a coloured rustic reproduction artistically mounted, the whole being edged with a narrow black border.

AN EXPRESSIVE NAME.—A subscriber points out that in this year's issue of the *C. & D. Diary*, the name of Boutport Street, Barnstaple, has been wrongly spelt on page 322, and that the name signifies "the street about the port." This is an expressive name, which should be preserved intact.

## English and Welsh News

The Editor will be obliged if subscribers will send him marked copies of newspapers containing items of interest for insertion in this or other news sections.

### Census of Production

The Board of Trade has made an Order (S.R. & O., 1929, No. 1167) under the Census of Production Act, 1917, for the taking of a census of production next year in respect of production in the present year (1930).

### "Dedicated Patents"

The Council of the British Medical Association discussed, at its December meeting, a suggestion to support the Association of British Chemical Manufacturers in a proposal for a system of "dedicated patents"—i.e., patents dedicated to the nation, the use of which would be supervised by a trustee. It was pointed out that medical ethics put a medical inventor in an invidious position, both personally and with regard to the future of his invention. The evidence which it was proposed to give on behalf of the B.M.A. before the Board of Trade Patents Committee laid down the following provisos:—

- That the original inventor (or his nominee) shall have the right to a free licence from the medical patents trustee.
- That the trustee in his discretion, and having regard to the proper use of the patent, may grant licences to such other persons as he thinks fit for the payment of a consideration, such consideration to be paid to the trustee, and not to the inventor.
- That the trustee may utilise the funds accruing from the sale of licences either for the promotion of further research or for the reward of the individual inventor.

It was also laid down that in the case of a dedicated patent the trustee should exercise a discretion in controlling the profits of the manufacturer, and that the trustee should act in consultation with a medical advisory committee. The *précis* of evidence was agreed to with the substitution of the words "for the reward of individual inventors" for the corresponding phrase in paragraph (c) of the proposed evidence.

### Inquests

At Blackpool, on January 2, the resumed inquest on the body of Mr. Frank J. P. Hudsmith (*C. & D.*, January 4, p. 1), resulted in a verdict of "Death by misadventure."

At Durham, on January 7, a verdict of "Death from misadventure" was returned at an inquiry concerning the death of Ena E. Brown, a clerk. Evidence of purchase of 100 aspirin tablets was given by Mr. J. Garbutt, chemist and druggist, and the coroner remarked that the jury must assume that all the tablets were taken by the deceased, the bottle being found empty.

The Central London coroner concluded, on January 1, an inquest on the body of Anna Bellegard, who died after an overdose of aspirin. Dr. G. R. Lynch, Home Office analyst, stated in evidence that he found 274 gr. of aspirin in the stomach, indicating that probably 300 gr. had been taken. The coroner remarked that there had been very few cases of aspirin poisoning. Sir Bernard Spilsbury deposed that death was due to coma caused by aspirin poisoning. A verdict of "Suicide while of unsound mind" was returned.

The City of London coroner held an inquiry, on January 6, concerning the death of William C. Whitehead, a laboratory assistant employed by Johnson, Matthey & Co., Ltd., Hatton Garden, E.C. Mr. Arthur W. Scott, metallurgical chemist, explained that the residue in a certain tank consisted of silver nitrate and sodium cyanide. Whitehead's duty was to clean out the tank by stirring water into the residue. Witness was of opinion that hydrocyanic acid gas was present, and that it escaped when the sludge was stirred. The matter was being investigated. Sir Bernard Spilsbury stated that one of the lungs of the deceased was being retained for analysis. The cause of death was coma from hydrocyanic acid poisoning. A verdict of "Death by misadventure" was returned.

An inquest was held in Kensington (London), on January 4, on the body of Mrs. Agnes Croysdale, St. Albans



Mansions, who died after taking a sleeping draught. Evidence was given of the purchase of a bottle of somnifaine, the marked dose of which was half a teaspoonful. The deceased, however, took a tablespoonful. Dr. R. M. Bronté, of the Home Office, stated in evidence that somnifaine was poisonous in large doses. It was not scheduled. The Coroner: Do you think that this drug should be placed under restrictions?—Yes, I do. I think these drugs should all be more restricted, but as fast as one is placed on the Schedule another is manufactured. Dr. Bronté added that death was due to narcotic poisoning. Mr. William C. Inman, chemist and druggist, High Street, Kensington, gave formal evidence of purchase. The coroner recorded an open verdict.

### Contracts

The following tenders have been accepted by the bodies named:—

Ludlow Guardians.—Woodhouse & Son, chemists, cod-liver oil, etc.

Luton Guardians.—Mr. H. W. Kilby, chemist and druggist, drugs, etc.

Whitby Education Committee.—Mr. C. Tindale, chemist and druggist, drugs, etc.

### Liverpool

Pharmacist visitors to Liverpool Cathedral are finding an accomplished guide in the person of Mr. C. Hanson, a local chemist who occupies an official position there.

Mr. Harold Lomax, chemist and druggist, has purchased the businesses of Bond & Moffat, Ltd., chemists, 17 Tarleton Street, and Mr. R. W. Charnock, chemist and druggist, 29 High Street, Wavertree, and 2 Grove Street. Mr. Lomax has also acquired premises at Legh Street, Whitechapel, and at Back-Highgate Street, Paddington.

### Sheffield

The test prescriptions lately taken from the city chemists were all correctly dispensed.

Sir Tom Percival, who received a knighthood in the New Year honours list, was for several years the popular representative of the *C. & D.* for Sheffield before going North.

The change over from the local to the National Formulary is causing chemists a great amount of inconvenience through the doctors prescribing under the names of the old formulary.

Professor W. Palmer Wynne acted as M.C. at the annual dance of the Sheffield University Old Students' Association held at the University on January 3. Over 200 were present.

On the occasion of his retirement, recently, from the position of cashier at the High Street branch of Boots, Ltd., Mr. S. Ridsdale was the recipient of several gifts and expressions of goodwill from the company and the staff.

The warehouse at the premises of John Clark & Co., chemists (Mr. C. A. Gardner, chemist and druggist, West Street, which was damaged by fire recently (*C. & D.*, 1929, I, 622), has now been rebuilt and another story added.

Mr. E. H. Platts (Edme, Ltd., malt extract manufacturers) took the rôle of Father Christmas at the Victoria Hall, Sheffield, on January 3, when the Sheffield Branch of the United Commercial Travellers' Association gave a party to over 100 members and their children.

### Miscellaneous

IN THE COURTS.—At Driffield, on January 2, Waters Appleton, grocer, Middleton-on-the-Wolds, was fined 15s. for having sold sodium bicarbonate containing 75.7 per cent. of borax.

POISON-LICENCE APPLICATIONS.—A license under Section 2 of the Poisons and Pharmacy Act, 1908, has been granted by Maidenhead Town Council to Mr. T. J. Ludbrook, High Street.—Application for a similar licence has been made to the Bucks County Council by Mr. W. D. Troup, Aylesbury.

A WATER QUESTION.—At a meeting of the Godalming Town Council on December 31, it was reported that a letter had been received from the Surrey Insurance Committee with reference to a complaint from a panel chemist at Bramley respecting the supply of water. It was decided to reply that the Corporation was not bound to supply water for other than domestic purposes.

FIRES.—The following outbreaks of fire have been recorded since our last report:—An outbreak of fire occurred on January 3 at the works of Thomas Tyrer & Co., Ltd., manufacturing chemists, London, E.15. The company inform us that the damage was practically confined to one department and it is not anticipated that their business will in any way be interfered with.—There was an outbreak of fire, recently, at the premises of Parkes Chemists, Ltd., Kilburn, London, N.W., but the damage, which was confined to the ground floor, was not of a serious nature.

## Scottish News

### Brevities

Several N.H.I. test prescriptions have recently been presented to Kirkcaldy chemists.

Edinburgh Trades and Glasgow Fair Holidays for 1930 have been fixed to commence on July 14 and July 21 respectively.

Everett & Co., Boot Polish Makers, 61-71 Collier Street, King's Cross, London, N.1, have appointed Mr. John McConnell to represent them in Scotland.

Professor Wright Smith, Director Royal Botanic Gardens, Edinburgh, has been appointed a member of the Advisory Committee on Forestry Research.

The celebration of the festival of St. John was held by the Inverness lodges of freemasons on December 27, and Bro. W. J. Bethune, chemist and druggist, was elected Right Worshipful Master of St. John's Old Kilwinning (No. 6 of Scotland) Lodge for the ensuing year.

## Irish News

### Private Meeting

Pemberton & Co., manufacturing chemists, Wynford Street, Belfast.—The accounts of Wm. Pemberton, trading as above, show assets estimated to realise £820, and liabilities £2,130. At a meeting of the creditors in the offices of Mr. Heron, solicitor, Belfast, it was arranged to accept a composition of 6s. 8d. in the pound, in three instalments, spread over nine months, the last payment to be secured. Among the creditors are: Atkins, F., & Co., Ltd., Hull, £40; Brady, T. H., £470; Bishop, Armstrong & Co., London, £40; Banner, Samuel & Co., Ltd., Liverpool, £36 10s.; Clifford, Christopherson & Co., London, £25 15s.; McCaw, Stevenson & Orr, Ltd., Belfast, £15 15s.; Munster, Simms & Co., Ltd., Belfast, £27; Masson, Seeley & Co., Ltd., London, £48 15s.; Nelson & Moore, Ltd., Belfast, £27 15s.; Taylor, Ernest, Ltd., Liverpool, £296; Tennant, Charles, & Co., Ltd., Belfast, £33 10s.

### Brevities

Mr. Robert Mellon, M.P.S.I., Cape Town, is visiting Belfast, and has renewed acquaintance with many Northern pharmacists. Mr. Mellon carried on a pharmacy in Dublin before emigrating to Cape Town.

The latest date fixed for receiving tenders through the Trade Department in Dublin, for twelve months' supplies to public bodies, is January 27. Tenders must be on prescribed form and must be enclosed in an official envelope supplied by the Trade Department, Room 45, Custom House, Dublin.

THE TENTH ANNUAL REPORT on the Voluntary Hospitals for Great Britain, covering the year 1928, has been issued by the Central Bureau of Hospital Information, 19 Berkeley Street, London, W.1, at 1s. 5d. post free.



## Festivities

### Cardiff Chemists' Dance

A VERY pleasant New Year's Day dance, organised by Mrs. Murray, supported by the Ladies' Committee for the British Pharmaceutical Conference, was held at the Pavilion on January 1. There was present a very representative gathering of the Cardiff and District Chemists and their wives and friends at this opening of the New Year's Festivities. Mr. S. W. Hague was a genial and capable M.C. Various prizes were given for novelty events.

### Leicester Social

THE Ladies' Committee of the Leicester and Leicestershire Branch of the Pharmaceutical Society commenced their activities for the New Year by holding a party on January 2 at the Constitutional Club, Millstone Lane, some 100 guests responding to their invitations. A nicely decorated hall with balloons and streamers, not forgetting the mistletoe for the younger members of the party was conducive to the happy spirit which prevailed throughout. Dancing and games made the time pass swiftly, and at midnight all sang "Auld Lang Syne," so ending a very happy function. The officers, Mrs. Peberdy (Chairman), Mrs. Fry (Vice-chairman), Mrs. Barker (Treasurer), and Mrs. Martin (Secretary), all worked hard to make the function a success.

### South-West London Function

A JOLLY time was spent by the members of the South-West London Chemists' Association and Branch and their friends at a New Year's party, held on January 1 in Stanley's Restaurant, 235 Lavender Hill, S.W.11. Some 150 were present, many in striking fancy costumes, which added gaiety and colour. All were in high spirits and indulged light-heartedly in dancing and games from 7.30 to 1 a.m. Prizes were awarded to:—Mrs. Neame, Mr. Day, Mr. and Mrs. Self, Mr. Booth, Miss Wheeler and Mr. R. J. McCree. Mr. R. S. Cayzer was also presented with a prize as runner-up for the cup at the annual association sports for 1929. The catering by the proprietors of the Hall was excellent, and Fred Friett's orchestra made the party a success. During the supper the social secretary, Mr. J. E. Jones, invited everyone to drink the health of the president, Miss A. T. Borrowman. This was done amid loud cheers, and the happy evening terminated with the singing of "Auld Lang Syne" and cheers for the popular social secretary, who was chaired with enthusiasm.

### Messrs. Cuxson, Gerrard's Party

THE annual Christmas party of Cuxson, Gerrard & Co., Ltd., was held on December 27, at the works, when some 300, comprising the workpeople, representatives and staff, were entertained to tea, by the courtesy of the directors. Tea was served at 4.15 p.m., after which the company adjourned to the entertainment room for community singing. This was followed by an entertainment, speciality dancing by Miss M. Cutler, songs by Miss E. Knight, and amusing items by Mr. W. Round and Mr. Moreton. A fancy dress parade followed, and this proved a great success, some very keen and original costumes being displayed, the prize-winners being:—Ladies: Misses E. Coles, L. Rollason, L. Wheale. Gentlemen: Messrs. Tew, A. Haines and D. Adams, and M. Schemanoff. The prizes were distributed by Mrs. A. D. Gerrard. At this juncture of the programme some very witty remarks were made by Mr. A. D. Gerrard, and appropriate compliments to various employees. During an interval in the programme, Mr. M. Smith (director) made reference to one of the oldest employees, Mr. T. Brookes, of West Bromwich, who was retiring from the firm on December 31 after thirty-three years' service. The rest of the evening was spent in dancing, music being provided by the Harmony Dance Band. Both the tea room and dance hall were tastefully decorated by the employees, and the effect was most striking. This being the jubilee year, the firm having been established fifty years ago, the party proved appropriate to the occasion.

## French News

From the "C. & D." Paris Correspondent

LADY pharmacists are, of course, common nowadays, but Madame Blanquet, professor at the School of Medicine and Pharmacy of Clermont-Ferrand (whose name appears as "Officier d'Academie" in a recent honours list) is, I think, the first female occupant of a professional chair at an institution.

AMATEUR photographers may, perhaps, be reminded that December 14 was a centenary in the history of their art, being the date of the 1829 deed of partnership between Niepce, the originator of the "spontaneous reproduction of images received by the dark box" (as the text of the document runs), and Daguerre.

A RECENT decision of the Angers Court has confirmed the illegality of partnership between qualified and unqualified persons for the exploitation of a pharmaceutical product. The law forbids such a partnership "unless the pharmacist is absolute master not only from a technical but also from a commercial and financial standpoint." A Parisian barrister, commenting on the case, readily acknowledges that many such partnerships exist. "It is all right," he adds, "so long as the parties concerned agree, but when they come to loggerheads, as in the case judged at Angers, there is nothing to be done." There seems to be an impression prevalent that such a partnership for the exploitation of a trademark or name is legal, but evidently the trademark has little value if one cannot sell the product.

## Coming Events

This section is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

### Monday, January 13

*Ipswich and Suffolk Branch of the Pharmaceutical Society.* Dance organised by Ipswich Chemists' Hockey Club, British Legion Hall, 8 p.m. till 12. Tickets 3s., including refreshments.

### Tuesday, January 14

*Pharmaceutical Society of Great Britain*, 17 Bloomsbury Square, London, W.C. Third evening meeting of the session in lecture theatre at 8.30 p.m. Presentation of Harrison Lectureship Medal to Mr. P. A. W. Self, B.Sc., F.I.C., Ph.C., who will deliver the Harrison Memorial Lecture on "Research."

### Wednesday, January 15

*Liverpool Chemists' Association.* Annual meeting at the Royal Institution, Colquitt Street, at 8 p.m.

*Southend-on-Sea Association of Pharmacists.* Annual dinner and dance, Palace Hotel, at 7.30 for 7.45 p.m. Guest, Mr. F. Gladstone Hines, member of Council.

*Newcastle, District and Northumberland Branch of the Pharmaceutical Society.* Annual dinner, at 6.30 p.m., County Hotel, Newcastle-upon-Tyne.

*Birmingham Pharmaceutical Association.* Lecture on "X-Rays," by Mr. W. Deacon, at Imperial Hotel, at 8.30 p.m.

*Manchester, Salford and District Pharmacy Club.* Whist Drive, Clydesdale Club, Turner Street (High Street) at 8.30 p.m. Tickets, 2s., from Mr. A. E. Thorpe, 66 Chapel Street, Levenshulme.

*Liverpool Pharmacy Club.* New Year Party at 18 Colquitt Street, 8.11.30 p.m. Tickets, including refreshments, 2s., from Miss Dobie, "Braehead," Oxtown.

### Thursday, January 16

*Bath and District Branch of the Pharmaceutical Society.* Annual whist drive and social evening, Old Red House, New Bond Street, Bath, at 7.15 p.m. Tickets, members 2s. 6d., visitors 3s. 6d., R.S.V.P. before January 13, to secretary, Mr. W. H. Hallett, 10 Stall Street, Bath.

*Western Pharmacists' Association.* London meeting at Slaters' Restaurant, 192 Oxford Street, London, W.1, at 8.30 p.m. Address by Mr. H. H. Marshall on "The Commercial Aspect in Pharmacy."

*East Anglian Federation of Pharmacists and Group Executive R.P.U.* Quarterly meeting at the Royal Hotel, Norwich, at 3.30 p.m., followed by dinner at 7 p.m. Dinner tickets, 5s. (student associates 3s.), from Mr. J. Francis, "Myrville," Mayfield Avenue, Norwich.

*North London Pharmaceutical Association and North London Metropolitan Branch of the Pharmaceutical Society.* Social (Carnival Dance), Gate House Hotel, Highgate. Limited to 120. Tickets 2s. 6d. (refreshments not included), from Mr. W. E. Swanson, 149 Hornsey Road, N.7.



## Legal Reports

**Forged Prescriptions.**—At Belfast Police Court, on January 1, David Ritchie, Earlswood Road, was charged with (1) Having on December 24, 1929, by means of a forged prescription, obtained 12 gr. of diamorphine and 12 gr. of cocaine from Mr. Samuel McLaughlin, Ph.C., without being authorised to be in possession of the same; (2) a like offence on December 27; and (3) by means of a forged prescription, on December 30, attempting to obtain 18 gr. of diamorphine and 18 gr. of cocaine from Mr. McLaughlin. Evidence of arrest was given by Sergeant George Fleming, who added that the accused admitted having written the prescriptions. In the prisoner's possession witness found a hypodermic syringe and two bottles which "smelled of cocaine or diamorphine." Mr. Samuel McLaughlin, Ph.C., Victoria Street, deposed to the prisoner visiting his shop and producing the prescription, on which he supplied him with the drugs mentioned. When the prisoner called on December 31 he was told to call again, the authorities being meanwhile communicated with. Mr. David Moffatt, pharmaceutical inspector under the Home Office, having given evidence, Mr. John Beggs addressed the Court for the defence. Mr. O'Donoghue, R.M., said that the prisoner was more to be pitied than blamed. He would be fined £5 and go to prison for a month on each charge, the imprisonment to be concurrent.

**Registration Dispute.**—At Worcestershire Quarter Sessions, on January 6, Thomas Norman Fuller (35), pleaded "Not guilty" to an indictment charging him with obtaining the sum of £2 6s. by false pretences from Mr. Arthur Edward Baylis, chemist and druggist, Malvern (C. & D., August 24, p. 226). Mr. J. F. Bourke, who appeared for the prosecution, said that, wanting a manager for a branch shop at Barnard's Green, Mr. Baylis advertised. The defendant replied, and an interview at Malvern was arranged. The defendant said that he was qualified. Mr. Baylis offered him the position and paid him his railway fare from Eastbourne; but when Mr. Baylis wrote to him about his registration he replied that he had decided to do without the job. Mr. Baylis gave evidence in support of counsel's opening statement, and an official of the Pharmaceutical Society said the defendant's name did not appear in the books for the current year. The defendant, however, said he was qualified, though his name might not be there. He passed the Society's examination in April 1916, and received a certificate, which he left at St. Bartholomew's Hospital, where he was employed after the war. He had since made inquiry and been told that it could not be found. The chairman said that if the defendant's story was true, it would appear that the Pharmaceutical Society had done him a great injustice, but why had he not taken steps to get it set right, insisting that his name appear there? The defendant said he had had no real opportunity. He was found "Not guilty," but the chairman said that another matter remained—his failing to answer to his recognisances at the appointed place and time, and in acquitting him of the charge of false pretences the Court did not in any way relieve him of that responsibility.

## New Companies and Company News

P.C. means Private Company and R.O. Registered Office.

**DIETETIC FOODS, LTD. (P.C.).**—Capital £1,000. Objects: To carry on the business of importers, exporters and manufacturers of and dealers in dietetic foodstuffs of all kinds, etc. The subscribers are: W. J. Lovell and C. P. Staples. Solicitors: Bartlett & Gluckstein, 199 Piccadilly, W.1.

**FOAM PREPARATIONS, LTD. (P.C.).**—Capital £7,500. Objects: To carry on the business of manufacturers of and dealers in medicinal salts, drugs, chemicals, secret preparations, patent medicines, etc. The permanent directors are: C. C. F. Forssell (director British Foam Bath Co., Ltd.), Capt. A. J. Hollick. R.O.: 5 John Street, Bedford Row, W.C.1.

**CLARKE & SMITH, LTD. (P.C.).**—Capital £40,000. Objects: To acquire the business of Clarke & Smith, East India merchants, of 155 Fenchurch Street, E.C.3. The directors are: Major J. B. Smith and Major L. H. Marriage, M.C. R.O.: Seal House, 107-108 Upper Thames Street, E.C.

**CENTRAL PHARMACY (DERRY), LTD. (P.C.).**—Registered December 21 in Belfast. Capital £1,000. Objects: To acquire the chemists' and druggists' business of the late James H. Hegarty. The directors are: W. McLoughlin, R. Wolfe and Mrs. Rachel J. McLoughlin. R.O.: Butcher Street, Derry.

**T. J. TEMPLEMAN, LTD. (P.C.).**—Capital £300. Objects: To carry on the business of chemists, herbalists and seedsmen, drug merchants and dealers, opticians, etc. The directors are: T. J. Templeman, Edna O. Evans, M.P.S. and Edith G. Templeman. R.O.: 6 Fabian Street, St. Thomas, Swansea.

**MAZOINT, LTD. (P.C.).**—Capital £500 in £1 shares. Objects: To acquire the trade mark "Mazoint," in the name of D. H. Husband, relating to ointment and also the entire or any territorial selling rights in regard thereto. The subscribers are: D. H. Husband and E. J. Wade. Solicitor: I. W. Shea, 9 Cowbridge Road, Cardiff.

**HEATHS, CASH CHEMISTS, LTD. (P.C.).**—Capital £1,000. Objects: To acquire the business of a chemist and druggist recently carried on by the late W. E. Heath, at 382 Lodge Road, Hockley, Birmingham, as "W. E. Heath," cash chemist, and "Hockley Drug and Chemical Stores." The subscribers are: H. R. Heath and P. A. R. Day. Solicitors: Springthorpe, Holcroft and Bishop, 75 and 77 Colmore Row, Birmingham.

**GILBERT J. MCCAUL & Co., LTD. (P.C.).**—Capital £50,000. Objects: To acquire the business of foreign and colonial merchants carried on by E. B. Tredwen and H. C. Wood. The directors are: E. B. Tredwen, 11 Park Avenue, Palmers Green, N. (director of Australian and New Zealand Merchants' Association, Ltd.); H. C. Wood, The Ridge, Speldhurst, Kent (director of Charles Kanter & Co., Ltd.); and A. Laing, Sandy End, Esher, Surrey. Solicitors: Botterel & Roche, 24 St. Mary Axe, E.C. Registered office: 9 Bishopsgate, E.C.

**GILL & DUFFUS, LTD. (P.C.).**—Capital £40,000 in £1 shares. Objects: To carry on the business of general merchants, importers, exporters, etc. The permanent directors are: F. G. Gill, A. S. Duffus, C. B. Kershaw and H. H. Gill. The said H. H. Gill shall cease to be permanent when his remuneration as director, officer or servant of Guedalla & Butler, Ltd., shall amount in the aggregate to £1,500 per annum. Remuneration of above named directors, £3,400, £3,400, £2,200 and £1,000 per annum respectively. R.O.: 23 St. Dunstan's Hill, E.C.3.

**NITRAM, LTD.**—At a meeting in London on December 31 it was resolved that this company be wound up voluntarily. Mr. R. A. Lynex, Imperial Chemical House, Millbank, London, S.W.1, was appointed liquidator.

**COMPANIES DISSOLVED.**—Notice has been given in the "London Gazette" that the names of the under-mentioned companies have been struck off the register and the companies dissolved:—Blue Anchor Soap Co., Ltd.; Calthorpe Pharmacy, Ltd.

**TAYLORS (CASH CHEMISTS), LONDON, LTD.**—In order to provide funds for development and expansion, the directors are making an issue at par of 250,000 Seven and a Half per Cent. Cumulative Preferred Ordinary shares of £1 each and the same number of 1s. Deferred Ordinary shares. These are offered to shareholders of the company and its associated undertakings, but if the special forms provided are used, preferential right of allotment will be given to shareholders in Taylors (Cash Chemists), London.

**NATIONAL DRUG & CHEMICAL CO. OF CANADA.**—A circular to first preference shareholders states that until the cash position shows progressive improvement, the direc-



tors do not deem it in the shareholders' best interest that dividend payments should be resumed. The affairs of the company are reported to be progressing favourably. The first preference dividend has now been passed for five years. Profits in 1928 totalled £35,230, covering the cumulative preference dividend for the year with a margin of nearly £7,000, but the directors have been devoting their resources to reducing heavy bank loans, and have made substantial progress in this direction.

## Wills

MR. WILLIAM HENRY HILL, of Southlands, Queen's Road, and of 357 High Street, both in Cheltenham, chemist and druggist, of Hill & Shaw, of Cheltenham, left estate of the gross value of £14,310 8s. 11d., with net personalty £6,978 17s. 6d.

MR. WILLIAM DURANT, of 46 Highfield Crescent, Rock Ferry, Cheshire, who, until his retirement, was identified with Lever Bros., Ltd., in the cattle food dept., died on October 22 last, aged 84 years, left estate of the gross value of £2,670 4s. 1d., with net personalty £1,963 2s. 9d.

MR. JOHN CHARLES EVANS, of 4 South View, Teignmouth, chemist and druggist, who died on September 27 last, aged 66 years, left estate of the gross value of £3,162 13s. 7d., with net personalty £202 12s. 7d. Probate of his will has been granted to his widow, Mrs. Rose Mary Evans, of the same address, the sole executrix.

MR. JOHN HASSALL HALLIWELL, of John S. Halliwell & Co., Ltd., wholesale chemists, 17 and 19 Breck Road, Liverpool, who died on November 5 last, as the result of a motor accident, son of the late John S. Halliwell, left estate of the gross value of £2,277 4s. 11d., with net personalty £2,194 9s. 8d. Probate of his will has been granted to his widow, Helen Mathieson Halliwell, of the same address, the sole executrix.

MR. WILLIAM BATHE, of 13 Park Road, Exmouth, Devon, formerly of 85 St. Marychurch Road, Torquay, chemist and druggist, who died on November 11 last, aged 78 years, left estate of the gross value of £1,691 9s. 8d., with net personalty £1,139 0s. 8d. Probate of his will has been granted to his daughter, Miss Annie Frances Bathe, of the same address, the surviving executrix.

MR. GEORGE BULT FRANCIS, of The Fern House, Little Marlow, Bucks, late a director of The British Drug Houses, Ltd., left property of the value of £72,888 11s. 7d., with net personalty £68,876 9s. 1d. The will and codicil are proved by James Ernest Townshend Ducker, of 40 St. Mary's Gate, Derby, son-in-law, and Kenneth Francis, of 79 York Mansions, Prince of Wales Road, N.W., nephew. He gives 1,500 preference shares in British Drug Houses, Ltd., to the Regent Square Presbyterian Church as to 500 for their Foreign Missionary Account, 500 for the Women's Missionary Association, and 500 for the Premises Account; 500 preference shares to the Pharmaceutical Society of Great Britain for the Benevolent Fund; 15s. a week to Agnes Corby, if still in his employ; 10s. a week to George Cooper, gardener, to be continued to his wife; 10s. a week to Sarah Day, retired needlewoman; 250 preference shares to Kenneth Francis; £25 a year for ten years to his niece Norah Francis; 750 preference and 2,000 ordinary shares and a policy of insurance to his son Alan; 3,500 preference shares to his daughter Muriel Ducker and 1,500 ordinary shares to her husband; £500 in trust for his son Norman, a policy of insurance for £2,000 in trust for his grandson Dennis Bult Francis and Irene R. Francis; 1,500 preference shares for his grandchildren Hugh Fawcett Inglesby Francis, George Alan Francis and Esme Lillian Francis; £250 to his sister Edith Annie; 6,500 preference shares in trust for Florence Townshend Ducker whilst a spinster, or the income from 1,000 shares during the remainder of her life; the income from 1,200 preference shares to Ellen Mary Littlefield

whilst a spinster; and 500 shares in Scrubb & Co. to his grandson Vere T. Ducker. The residue of the property he leaves in trust for his wife during widowhood, or an annuity of £600 should she again marry, and subject thereto as to one-sixteenth to his son Alan, six-sixteenths in trust for his son Alan and his children, six-sixteenths in trust for his daughter Muriel and her husband and son Vere, and three-sixteenths in trust for his son Norman for life, and then for his son Dennis and Irene R. Francis.

## Business Changes

GLADYS COOPER'S BEAUTY PREPARATIONS, LTD., have removed to 121 Hampstead Road, London, N.W.1. Telephone: Museum 8140.

MR. JOSEPH MULHOLLAND, chemist and druggist, Auchinleck, has taken over the business of Miss C. S. Armstrong, chemist and druggist, Muirkirk.

MR. ARTHUR LARDER, chemist and druggist, has acquired the pharmacy of Mr. F. D. Jeacock, chemist and druggist, at 196-198 London Road South, Lowestoft, as from January 20.

MR. ROBERT WEBSTER, chemist and druggist, has acquired the business recently carried on as a branch by Mr. R. Innes, chemist and druggist, at 11 East High Street, Portgordon.

MR. FREDERIC R. ELLIS, chemist and druggist, late of 122 Coldharbour Road, Westbury Park, is now carrying on business at The Beaufort Pharmacy, Beaufort Road, Barton Hill, Bristol.

CLARKE & SMITH, LTD., merchants, are removing from 155 Fenchurch Street, E.C.3, to larger and more convenient premises at Seal House, 107-8 Upper Thames Street, London, E.C.4.

THE offices of the Public Control Department of the Middlesex County Council have been transferred from 39 Eccleston Square, S.W.1, to 10 Great George Street, Westminster, S.W.1. Telephone: Victoria 4400.

MR. HAROLD LOMAX, chemist and druggist, has acquired the businesses of Bond & Moffat, Ltd., chemists, 17 Tarleton Street, Liverpool, and of Mr. R. W. Charnock, chemist and druggist, 29 High Street, Wavertree, and 2 Grove Street, Liverpool.

MR. WILLIAM SMITH, chemist and druggist, who has been in business with Mr. Ernest Bailey, chemist and druggist, at 34 Silver Street, Durham, has retired. The business will be continued by Mr. Bailey under the style of William Smith.

SAVORY & MOORE, LTD., with whom are associated John Bell & Croyden, Ltd., and Arnold & Sons, Ltd., have taken over the business of Bradley & Bourdas, chemists, 6 Pont Street, Belgrave Square, S.W.1. The company also recently acquired the business of Moore & Co., chemists, 45 Craven Road, Lancaster Gate.

## Gazette

### Partnerships Dissolved

WAUGH, W. C.; VAN DER OSTEN, G. E.; WAUGH, F. A., and WAUGH, W. (deceased), 4 Lloyds Avenue, London, chemical merchants, under the style of Walter Waugh & Co.

SMITH, W., and BAILEY, E., 34 Silver Street, Durham, chemists and druggists, under the style of William Smith.

### RECEIVING ORDER

DOWNHAM, L., Redisher Farm, Holcombe, near Bury, and Waterfold Mills, Heap Bridge, Bury, advisory chemist, under the style of The Crescent Chemical Co.

## Book-Keeping for Chemists

By S. Howard Withey, F.C.I., etc.

### VII.—The Treatment of Depreciation

SOME of the assets employed by the chemist who has acquired or developed a dispensing business or a drug and photographic business, etc., will decrease in value as a consequence of constant use, while other assets will shrink with the lapse of time or fluctuate in value when subjected to the ordinary law of supply and demand; and before attempting to ascertain the amount of net profit made during a particular accounting period, or the extent of the loss sustained, it will be necessary to make adequate provision in the books of account for such depreciation.

If the business is being carried on under the guiding influence of two or more partners, a sufficient amount will have to be written off the book value of leasehold premises, shop fittings, and all other assets used for profit-earning purposes that actually diminish in value, before the balance of profits shown in the final accounts is shared by the partners in accordance with the partnership deed or other similar agreement. In the event of the business having been converted into a limited liability company, no dividend should be paid to the shareholders until the amount of depreciation of the wasting assets has been definitely determined.

The main requirement in this matter of depreciation is that an adequate amount should be charged against the profits during the period under review, although it is important to bear in mind that the charge should be made in a fair and equitable manner as between one working year or period and another.

As far as the average wholesale or retail chemist is concerned, there are four methods of determining the depreciation of a wasting asset, and of giving effect to such depreciation in the books. These are:—

(1) A fixed proportion of the first or original cost of the asset, or an equal proportion of the existing book value, may be written off at the close of each financial year, so that at the end of a certain period, estimated to be the effective life of the asset, its value as shown in the chemist's books has been reduced practically to *nil*.

(2) A definite percentage can be deducted from the gradually diminishing book value of the asset each year, so

that the balance of the asset account at the termination of a certain period shall represent a purely nominal or break-up value.

(3) The same amount of depreciation may be written off the book value each year during the life of the asset, after interest at an agreed rate per cent. per annum has been charged.

(4) The asset, or assets, may be subjected to a new valuation by an independent and acknowledged expert, and the actual depreciation, as compared with the book value, written off in one amount against the current year's profits.

The particular method to be adopted in a given case will depend entirely upon the nature of the particular asset and the use to which it is put. In the case of shop fixtures, for example, estimated to last a certain period and to be practically worthless at the end of that time, the first method will be more appropriate. In the case of such assets as bottle filling machines, mixers and sifters, showcases, etc., which are likely to have a small realisable value at the end of their estimated life as profit-earning agencies, the second method indicated above will be more suitable. As an illustration, we will suppose that the debit balance of machines account kept in the chemist's private ledger amounts to £100 on January 1, 1929, and that the machines themselves have been estimated to be worth about £20 at the end of seven years. It is also anticipated that the cost of repairs and maintenance will be greater towards the end of the period than during the early years, and in order that the combined charge against the profits for depreciation and repairs shall not be unduly heavy in any one year, it is considered advisable to write off depreciation in such a way as will not benefit one period at the expense of another. This could be effected by subjecting the balance of the machines account—which balance would gradually diminish—to a 20 per cent. deduction each year, so that on December 31, 1929, the amount to be written off and charged against the current year's profits would be £20, the machines account being thereby reduced to £80. At the end of the second year the depreciation to be written off would be £16, viz., 20 per cent. of £80, the balance of the asset account being consequently reduced to £64, and so on until the end of the seventh year, when the book value would be £20 19s. 5d., as shown in the following account:—

#### MACHINES ACCOUNT

(In Private Ledger)

Dr.					(In Private Ledger)					Cr.				
1929					£	s.	d.	1929				£	s.	d.
Jan. 1	To Balance	..	..	..	100	0	0	Dec. 31	By Depreciation 20%	..	20	0	0	
								" "	" Balance carried down	..	80	0	0	
					£100	0	0				£100	0	0	
1930								1930						
Jan. 1	To Balance	..	..	..	80	0	0	Dec. 31	By Depreciation 20%	..	16	0	0	
								" "	" Balance carried down	..	64	0	0	
					£80	0	0				£80	0	0	
1931								1931						
Jan. 1	To Balance	..	..	..	64	0	0	Dec. 31	By Depreciation 20%	..	12	16	0	
								" "	" Balance carried down	..	51	4	0	
					£64	0	0				£64	0	0	
1932								1932						
Jan. 1	To Balance	..	..	..	51	4	0	Dec. 31	By Depreciation 20%	..	10	4	10	
								" "	" Balance carried down	..	40	19	2	
					£51	4	0				£51	4	0	
1933								1933						
Jan. 1	To Balance	..	..	..	40	19	2	Dec. 31	By Depreciation 20%	..	8	3	10	
								" "	" Balance carried down	..	32	15	4	
					£40	19	2				£40	19	2	
1934								1934						
Jan. 1	To Balance	..	..	..	32	15	4	Dec. 31	By Depreciation 20%	..	6	11	1	
								" "	" Balance carried down	..	26	4	3	
					£32	15	4				£32	15	4	
1935								1935						
Jan. 1	To Balance	..	..	..	26	4	3	Dec. 31	By Depreciation 20%	..	5	4	10	
								" "	" Balance carried down	..	20	19	5	
					£26	4	3				£26	4	3	
1936														
Jan. 1	To Balance	..	..	..	20	19	5							



During the seven years a total of £79 0s. 7d. has been written off as depreciation, leaving a book value of £20 19s. 5d., as follows:—

			£	s.	d.
Depreciation	1929	.. ..	20	0	0
do.	1930	.. ..	16	0	0
do.	1931	.. ..	12	16	0
do.	1932	.. ..	10	4	10
do.	1933	.. ..	8	3	10
do.	1934	.. ..	6	11	1
do.	1935	.. ..	5	4	10
Total Depreciation	.. ..		79	0	7
Balance of Machines A/c	.. ..		20	19	5
			£100	0	0

The third method of ascertaining and recording depreciation is sometimes referred to as the annuity method, and is usually applied to such assets as leasehold property. The asset account is debited with interest on the balance outstanding at the commencement of the year, and the same amount of depreciation is written off each year in order to reduce the balance to *nil* at the termination of the lease. The following example in which leasehold premises are purchased by a chemist on January 1, 1929, on a five years' lease for £500, with interest at 5 per cent. per annum, will make this quite clear:—

## LEASEHOLD BUILDINGS ACCOUNT

Dr.				(In Private Ledger)				Cr.					
1929				£	s.	d.	1929				£	s.	d.
Jan. 1	To Cost	..	..	500	0	0	Dec. 31	By Depreciation	..	..	115	9	9
Dec. 31	„ Interest 5%	..	..	25	0	0	„	„	„ Balance carried down	..	409	10	3
				£525	0	0					£525	0	0
1930							1930						
Jan. 1	To Balance	..	..	409	10	3	Dec. 31	By Depreciation	..	..	115	9	9
Dec. 31	„ Interest 5%	..	..	20	9	6	„	„	„ Balance carried down	..	314	10	0
				£429	19	9					£429	19	9
1931							1931						
Jan. 1	To Balance	..	..	314	10	0	Dec. 31	By Depreciation	..	..	115	9	9
Dec. 31	„ Interest 5%	..	..	15	14	6	„	„	„ Balance carried down	..	214	14	9
				£330	4	6					£330	4	6
1932							1932						
Jan. 1	To Balance	..	..	214	14	9	Dec. 31	By Depreciation	..	..	115	9	9
Dec. 31	„ Interest 5%	..	..	10	14	9	„	„	„ Balance carried down	..	109	19	9
				£225	9	6					£225	9	6
1933							1933						
Jan. 1	To Balance	..	..	109	19	9	Dec. 31	By Depreciation	..	..	115	9	9
Dec. 31	„ Interest 5%	..	..	5	10	0							
				£115	9	9					£115	9	9

In the above instance £115 9s. 9d. was written off during each of the five years, making £577 8s. 9d., in all, charged against the profits during the term of the lease. On the other hand, a total of £77 8s. 9d. was credited to profit and loss during the same period, this figure being made up as shown below:—

		£	s.	d.			£	s.	d.
Interest	1929 ..	25	0	0	Interest	1932 ..	10	14	9
do.	1930 ..	20	9	6	do.	1933 ..	5	10	0
do.	1931 ..	15	14	6					
							£77	8	9

The only real difficulty associated with the application of the annuity method consists of ascertaining the amount to be written off as depreciation after the annual interest has been debited to the account. In this connection the following table will be found useful:—

Table Showing Amount Required to Write Off £1

Years	Interest 3%	Interest 4%	Interest 5%
4 ..	0.269028	0.275490	0.282012
5 ..	0.218354	0.224627	0.230975
6 ..	0.184597	0.190761	0.197017
7 ..	0.160506	0.166609	0.172819
8 ..	0.142456	0.148527	0.154721
9 ..	0.128433	0.134493	0.140690
10 ..	0.117230	0.123291	0.129554

For example, to find the annual sum to be written off an asset costing £500, at 5-per-cent. interest, and estimated to last five years, multiply the decimal 0.230975 by 500, giving £115.4875, or £115 9s. 9d., the figure credited in the above specimen leasehold buildings account. When an asset is subjected to a new valuation, and the new valuation figure is less than the balance of the particular asset account shown in the chemist's private ledger, the difference will have to be treated as depreciation, and the amount credited to the asset account, and transferred either to the general depreciation account or direct to the periodical profit-and-loss account. The advantages to be derived from a revaluation of certain troublesome assets at certain periods may be enumerated as follows:—

(1) The determination of the current value of the assets by an experienced and unbiased valuer will be satisfactory to the chemist, the partners, or the directors and shareholders, as the case may be, and will be approved by the auditors.

(2) The possession of a certificate of value signed by an acknowledged expert may be accepted by the bank as sufficient guarantee against an overdraft, or it may be the means whereby the chemist is able to obtain an extension of credit facilities when most needed.

(3) In the event of the business being converted into a limited liability company, the capital issues will be

materially facilitated if the prospectus or statement is accompanied by a copy of the certificate signed by a valuer of repute. This will apply whether the capital issues are in the form of shares or debentures.

(4) All insurance claims will be assisted.

(5) The statutory allowances and deductions to which the chemist, as a taxpayer, is legally entitled will be made by the authorities without question, and appeals against arbitrary or excessive assessments of the profit will meet with a greater measure of success.

(6) Existing partnership deeds can be worded more specifically, and if a new partner is admitted, the agreement can be drawn up on a more solid foundation.

(7) There will be no need for the auditors to report on the adequacy or otherwise of the amounts written off to cover depreciation, or to give their opinion regarding the present value of the assets, and all concerned will be relieved from personal responsibility in the matter of certification.

In the event of the new valuation figure exceeding the balance shown in the particular asset account, the difference could be recorded as a separate item on the debit side of the latter, and transferred to the periodical profit-and-loss account, thereby increasing the balance of profit, or decreasing the loss to that extent. The better plan, however, would be to leave the asset account unaltered, and to look upon the difference as a secret or hidden reserve, thus conserving the financial position of the business as a going concern.



## Pharmaceutical Society of Great Britain Council Meeting

A MEETING of the Council was held at 16 Bloomsbury Square, London, W.C.1, on January 8, Mr. L. Moreton Parry (president) in the chair. All the members were present.

### GREETINGS

Before the usual business of the meeting the PRESIDENT extended good wishes to every member of the Council, observing that he wished publicly to thank them for the support they had given him during the year just closed. He questioned whether there was any other public body whose members were as loyal in their support and attendance at meetings as were the members of the Council.

The president also called attention to the fact that Dr. Andrew Balfour had had a knighthood conferred upon him in the New Year honours list.

### DEATH

The PRESIDENT made appropriate reference to the loss sustained by Mr. A. H. Jenkin by the death of his eldest daughter, and the Council showed their sympathy with their colleague by standing in silence.

### ELECTIONS AND RESTORATIONS

One hundred and thirty-six persons were elected members of the Society, and thirty-six as student-associates. A number of persons were restored to the Society, and one to the Register. The registrar reported that eighty-one persons had been registered as apprentices or students.

Mr. George Thompson Wilson, 4 Clarendon Avenue, Heaton Moor, Stockport, registered as a pharmaceutical chemist in Northern Ireland, having complied with the Regulations, was registered as a chemist and druggist in accordance with the provisions of Section 4 (b) of the Poisons and Pharmacy Act, 1908.

Mr. MARNs asked how many persons had availed themselves of the reciprocity arrangements up to date.

The SECRETARY: About ten.

Mr. MARNs: Are there any of our members who have applied in the other direction?

The SECRETARY: No, not one has yet applied for a certificate.

The following were appointed members of the board of examiners for England and Wales for the ensuing year:—Greenish, Henry George; Kirkaldy, Patrick Henry; Self, Percy Arthur William; Tickle, Thomas.

### CORRESPONDENCE

Christmas and New Year greetings were received from the president, members and registrar of the Queensland Pharmacy Board, the president and Council of the Pharmaceutical Society of Ireland, and the president and Council of the Pharmaceutical Society of Northern Ireland.

The Council were invited to send delegates to a conference of the French Association for the Advancement of Science, to be held in Algiers in April. It was decided, while expressing appreciation for the invitation, not to accept it.

### AUTOMATIC MACHINES AS DISTRIBUTORS

THE VICE-PRESIDENT asked whether the president would take the opportunity of making a statement for the guidance of members of the Society, giving the views of the Council upon the use of automatic machines for the distribution of drugs.

THE PRESIDENT: I am glad to have this opportunity of stating the Council's views upon the use of automatic machines for the distribution of drugs. The use of automatic machines for this purpose has shown a tendency to increase both here and overseas during recent months, and it seems desirable that members of the Society who may be approached with proposals for the installation of an automatic machine should have some guidance upon what their attitude should be both in the interests of their own calling and especially in the interests of the public. It is the basis of pharmacy legislation in this country that

the sale of poisons shall be restricted to people trained in a knowledge of their poisonous properties. In the majority of other countries the sale of potent drugs, as well as the sale of poisons, is similarly restricted. The reasons for these restrictions are obvious. They are to ensure the presence of someone who will be able to give advice to a purchaser as to how a substance is to be used, and its dose; to warn a purchaser where the substance is poison or where care is needed in its use, and especially to refuse to supply the substance at all where the seller is not satisfied that it is required for a proper purpose or that the purchaser is a safe person to be trusted with it. None of these safeguards is present when poisons or potent drugs are sold by means of an automatic machine. There is nothing to prevent a child obtaining poisons such as potassium permanganate or potent drugs such as aspirin from these machines. It is also easy to visualise mistakes being made through the packet being taken from the wrong section of the machine, or through some mistake being made by an untrained person refilling a machine. Where the article sold is in the form of sugar-coated tablets it is quite possible that such a mistake would not be noticed. These are reasons why, in the public interest, the sale of drugs from automatic machines is to be deplored. Members of the Society should realise that the employment of machines such as these would detract from the personal value of their services to the public. For these reasons I personally, and the Council also as a body, sincerely trust that members will refuse to instal automatic machines for the supply of drugs.

### CODEx COMMITTEE

The report of this Committee, submitted by Mr. SKINNER, stated that the Committee had come to the conclusion that for the commencement of the revision, three Subcommittees only would be necessary, namely, in pharmacy, pharmacognosy and pharmaceutical chemistry. Messrs. Keall, Wallis and Self had agreed to serve as chairmen of these respective committees, and had accordingly been co-opted to the editorial committee. The Committee reported further that Mr. F. W. Gamble had also consented to serve on the editorial committee. The Council discussed the arrangements for editing the book, and decided that it would be an advantage if the names of the responsible committees were altered. It was agreed that the Committee responsible for the publication of the book should be called "The Codex Committee" and the revising committee "The Codex Revision Committee."

Mrs. FREKE asked whether the President had yet received a key for the Chelsea Physic Gardens. She mentioned that it had been decided that members of the Court of the Apothecaries Company should no longer have keys, but that the Master of the Company and the president of the Royal College of Physicians for the time being should be accorded the privilege, and also the president of the Pharmaceutical Society.

THE PRESIDENT said he had received a key which he appreciated very much indeed. He was very grateful to Mrs. Freke for what she had done in the matter.

### EDUCATION COMMITTEE

The report of the Education Committee showed that a number of schools had been approved for subjects in connection with the Society's examinations. The Committee had considered the following resolution from the Preston Branch remitted to them by the Council:—"That in the opinion of this Branch the time has come when apprentices should be limited." The Committee now recommended that the resolution be referred to the Organisation Committee, with the suggestion that they might consider the advisability of putting forward the matter, in a suitable form, as a subject for discussion at the delegates' meeting of the Cardiff Conference.

Mr. PECK referred to the resolution of the Preston Branch. The Committee, he said, had discussed it, and realised that it involved a matter of policy which the Council had not yet decided. They also thought it would form a very good subject for consideration at a meeting of delegates from all over the country. He therefore moved that the matter be referred to the Organisation Committee, with a suggestion that they might consider the advisability of putting it forward in a suitable form



for discussion by delegates at the Cardiff Conference.

Mr. HINES expressed the opinion that the phraseology of the resolution was not very happy, and suggested that it should be modified so as to include the entire control and supervision of apprenticeship. The report was adopted.

#### BENEVOLENT FUND COMMITTEE

The report of this Committee showed that two applications had been considered, and grants made in each case of £30. The Committee took into consideration the possibility of recommending the payment of a Christmas bonus to annuitants in accordance with the custom of the past few years. Particulars relating to the financial position of the fund having been given, the Committee recommended that a Christmas gift of £10 be paid to each of the annuitants, with the exception of the nine to be elected on the following day. In these cases the bonus should be £5. The following special contributions were announced:—Cheltenham and District Branch, £56 4s. 8d.; Exeter Branch, £10 10s.; T. Kerfoot, £5; C. B. Harrison, £3 10s.; Exeter Branch, £3 6s. 9d.; J. H. Lowe, £3 3s.; F. S. Rose, £2 10s. 6d.; Liverpool School of Pharmacy Students, £2 2s.; Blackpool Branch, £2 1s. 11d.; Huddersfield and District Branch, £1 10s.; H. R. Lowther, £1; P. Stiles, £1; Scarborough Branch, 16s.; F. G. Holoran, 8s. 4d.

Mr. KEALL, commenting on the special contributions, said there was again an excellent list, headed by the Cheltenham and District Branch with over £56, while the Exeter Branch came next with £10 10s. He was very glad indeed to see that the interest in the fund was maintained, and that last year subscriptions were in advance of the previous year.

Mr. GUTHRIE said it was his happy lot to receive the cheque from the Cheltenham Branch. The contribution was an exceedingly handsome one, and was given with the utmost goodwill. It was all the more notable owing to the fact that the branch numbered only about fifty members. The report was adopted.

#### WAR AUXILIARY BENEVOLENT FUND

The Committee of this fund reported that they had received four applications during the month, and recommended grants ranging from £10 to £130. The report was adopted.

#### FINANCE COMMITTEE

The financial statement showed that receipts since the last meeting, including a balance of £44 4s. 11d., amounted to £7,132 1s. 11d., comprising the following items:—Subscriptions, £131 10s. 3d.; registration fees, £216 6s.; examination fees, £4,450 19s.; certificates of qualification, £11 11s.; restoration fees, £1 1s.; Pharmaceutical Laboratories, £47 5s.; penalties, £102 5s. 6d.; "Pharmaceutical Journal," advertisements, etc., £1,119 19s. 1d.; Quarterly Journal, £25 3s. 6d.; "Pharmaceutical Pocket Book," £17 19s. 8d.; Year-Book Index, £13 8s. 8d.; Calendar, 17s. 8d.; examination questions, £7 1s. 8d.; Pharmaceutical Press publications, £16 13s. 1d.; B.P. Codex, £33 16s.; "Forensic Pharmacy," £11 8s. 1d.; interest on investments, £852 11s. 2d.; deductions for F.S.S.U., £28 0s. 8d. Payments ordered at the last meeting amounted to £6,610 8s. 5d., and £500 had been transferred to deposit account, leaving a balance of £21 13s. 6d. The balances on the other accounts were:—Benevolent Fund (current account), £39 8s. 2d.; Benevolent Fund (donation account), £40 15s. 8d.; War Auxiliary Benevolent Fund, £41 9s. 1d.; Orphan Fund, £19 7s. 11d. The report recommended that accounts amounting to £6,156 7s. 7d. be paid, and that the action of the secretary in making payments amounting to £1,164 19s. 0½d. be approved. The report was adopted.

#### ORGANISATION COMMITTEE

This Committee submitted their report, which stated that with regard to the Sir William Glyn-Jones Memorial they had approved a plan of procedure for the unveiling ceremony. This will take place on February 5.

As the new system of examination makes it impossible for certificates to be presented as at present, the Committee had considered the possibility of arranging special days for the purpose. They were of opinion that for the

candidates examined in London presentations might be made in the afternoons of the first Wednesday in May and August 1930, teachers being invited also.

The Committee considered that the following subject was suitable for discussion at meetings of delegates at Cardiff:—"Shall Matriculation be adopted as the standard for the Society's Preliminary examination?" The Committee recommended that Mr. Simmons be asked to introduce this, and that in due course the subject be brought under the notice of the branches for consideration and report. The report was adopted.

#### BY-LAW PROCEDURE

Among other matters dealt with at the Council meeting held on January 7 was a letter received from the Anglesey, N. Carnarvonshire and Colwyn Bay Branch drawing attention to the fact that the present method of approving by-laws by means of a general meeting was not suited to the present constitution of the Society, and that some other method should be devised to take its place. The secretary was instructed to point out in reply that the difficulty was not one which could be dealt with by the Council or by the Society, but would necessitate going to Parliament.

#### THE SOCIETY'S LIBRARY

A report submitted to the Establishment Committee stated that in the year 1929, 625 members, including student-associates, borrowed books from the Library. 1954 books were borrowed from the Library, and the carriage of books cost £28. Although no numbers are available of the members borrowing books in the previous years, this number is believed to be a decided increase. A large number of people are now sent from other libraries and institutions to consult periodicals that are not available elsewhere in London.

This was all the public business.

## Darkov Iodide Waters

By J. G. F. Druce, M.Sc. (Lond.), R.Nat.Dr. (Prague), F.I.C.

IN THE CHEMIST AND DRUGGIST, 1926, II, p. 708, it was mentioned that Czechoslovakia has 170 curative resorts and thermal watering places, and an account was given of the Karlsbad Sprudel waters and the salts derived therefrom. Among the less-known thermal springs are those at Darkov in Czech Silesia. These have long claimed to be the richest in iodine-containing natural mineral waters in Europe. Darkov, situated in the Beskyd Hills, is a town with less than 3,000 inhabitants, according to the most recent census. There are several saline sources, and from some of them the salts are obtained by vacuum evaporation of the waters and subsequent desiccation of the concentrated liquors by pouring over a rotating drum heated with superheated steam. About 30,000 kilograms of the Darkov salts is so obtained annually. They find application in the treatment of a number of obstinate complaints, including arterio-sclerosis, anaemia, scrophulosis, etc. Earlier analyses of the spring waters described them as containing the following per litre: Sodium chloride, 25.7 gm.; combined bromine, 0.1 gm.; iodine, 0.02–0.038 gm.; iron, 0.022 gm.

Recently, Prof. O. Tomicek and Dr. A. Jansky have reinvestigated both the halide content of a number of natural waters and also the accuracy of the methods available for determining bromides and iodides in waters in the presence of excess of chlorides. In recent numbers of the "Collection of Czechoslovak Chemical Communications" they describe an analytical procedure based on a combination of Winkler's method and potentiometric titration. Winkler's process consisted in the distillation of the acidified water (saline solution) with simultaneous and gradual addition of potassium permanganate solution. The liberated halogens (first iodine, then bromine, and lastly a little chlorine) were absorbed in sodium sulphite solution. From a number of analyses the Czech investigators have now found that one litre of Darkov mineral water contains: Iodine, 16.6–28.8 mgm.; bromine, 49.6–82.7 mgm.; chlorine, 9.36–15.93 mgm. Among the other waters examined by Tomicek and Jansky was that from Ciz in Slovakia, which was, perhaps, slightly richer in iodide, since it contained 28.8 milligrams of iodine per litre.



## National Mark Malt Products

ALTHOUGH negotiations between the Ministry of Agriculture and Fisheries and representatives of the manufacturing and distributing malt products industry have been proceeding since June last, a final agreement was only arrived at on January 6; several well-known firms are now able to supply malt products, both pharmaceutical and veterinary, bearing the National Mark.

The delay has been somewhat prolonged, and has not been due to any want of activity on the part of either the Ministry or the traders concerned, but rather to the difficulties of marketing products which are so different from those which have hitherto been placed on the market under the mark. Eggs, tomatoes, cucumbers, flour and beef present undoubted difficulties in marketing under this scheme; but it has not hitherto been found necessary or possible to insist that such should be sold at fixed prices, both by the wholesaler and the retailer. This, however, was the problem presented to the Ministry, the responsible officials of which were told from the very beginning of the "conversations" that it was quite useless to proceed with any scheme to improve the demand for British barley, unless a reasonable profit margin to manufacturer, wholesaler and retailer could be assured upon the sale of the standardised National Mark malt products.

It is only fair to the Ministry to state that from the first they accepted the fairness and reasonableness of such a statement, although it was evident that there were bound to be difficulties in formulating a scheme of price standardisation which could be put out with their knowledge and approval; at the onset they stated that the Ministry could not be mixed up in any price disputes between the retail pharmaceutical trade and the co-operative societies regarding the payment of dividend; at a later period they required that the prices of branded malt preparations bearing the National Mark should not be protected through the P.A.T.A. Eventually they suggested that a Malt Products Packers' Association should be formed for the purpose of regulating and developing the distribution of these products, and that, subject to certain reservations and safeguards, they would regard the stabilisation of prices of National Mark pharmaceutical malt extract as a proper matter to be dealt with by such a body.

So far there had not been great difficulties encountered, as prices had not been mentioned in detail, but it was when the Packers' Association was on the eve of being formed that almost insuperable difficulties presented themselves. What was a fair price for a one-pound jar of malt extract and cod-liver oil of the standard described by the Ministry in Marketing Leaflet No. 14 (Malt Flour and Malt Extract)? Opinions were sharply divided, many traders holding that a fair price for the whole of the country was round about 1s. 4d. The Ministry, realising their responsibility in the matter (for whatever price was agreed upon would constitute a standard), purchased one-pound jars of malt and oil to the number of several hundreds in all parts of the country and from all types of retailers, not forgetting the multiple shops. From this investigation they decided that a fair price to the consumer for the standard quality under the mark was 1s. 3d. per 1-lb. jar, and upon this basis profit margins were fixed from the manufacturers upwards, which it is hoped and believed will be accepted by all parties concerned as an honest attempt to do justice to all, including the consuming public.

The prices, therefore, of the National Mark (Pharmaceutical) Malt preparations are based upon the retail price of 1s. 3d. for a 1-lb. jar of malt and oil, and these are protected in the following way: All authorised "packers" of these products, i.e., those who are authorised by the Ministry to manufacture and pack them and apply to them the Mark, are required to join the National Mark Malt Products Association, which has been established with the approval and consent of the Ministry. A condition of membership is the observance of a price-stabilisation scheme.

In addition, the Minister has set up a National Mark Malt Products Trade Committee, presided over by

Sir John Pakeman, K.B.E., which will advise the Ministry regarding the rules and operations of the above Association. It is interesting to note that the following members have been appointed to represent malt extract and pharmaceutical interests:—Mr. E. C. Cripps (Allen & Hanburys, Ltd.), Mr. F. J. Bearman (Edme, Ltd.), Mr. T. Edward Lescher, O.B.E. (Evans Sons Lescher & Webb, Ltd.), and Mr. H. H. Marshall, the representative of the R.P.U. In addition there are representatives of the farming industry, as well as Mr. W. Wallis of the Co-operative Wholesale Society, Ltd. There are one or two matters that in the interests of the retailer deserve passing notice.

(1) The standard sizes of National Mark pharmaceutical malt extract and malt extract with cod-liver oil are 1-lb., 2-lb., 4-lb. and 7-lb. glass amber jars. The 1-lb., 2-lb. and 4-lb. jars must be oval (unless otherwise authorised by the Ministry); the 7-lb. jar can be round. *These products are not supplied to retail chemists in bulk.*

(2) The National Mark may be applied to a branded preparation or one bearing the chemist's own name and address, provided the authorised packers comply with the rules of the Association.

The success of this scheme is to a great extent in the hands of the retail chemist. In the past he has sometimes sold malt extract with cod-liver oil at prices which have not been remunerative and of a quality which has been poor. He has now the opportunity of selling a product of a standard grade at a price which ensures a fair profit to all who handle it, and he will be assisted in his efforts by the extensive publicity already commenced by the Ministry of Agriculture and Fisheries.

### PRICES AND CONDITIONS

The National Mark Malt Products Association consists, as we have explained, of authorised packers of malt and malt and cod-liver oil, including manufacturers and wholesalers, who are authorised by the National Mark Committee, presided over by Lord Darling. All authorised packers are to become members of the Association. Thirty-five firms have been registered as packers. The business of the Association is managed by a chairman and a council of twelve members. Veterinary malt extract will be sold in tins or drums. Manufacturers who have stocks of jars of other design than the oval may be permitted to use them for the present season, up to a period of six months, to clear. The retail prices of National Mark Malt are as follows:—

#### Malt Extract (Pharmaceutical)

1 lb. at 1s. 2d.	4 lb. at 4s. 3d.
2 lb. at 2s. 2d.	7 lb. at 7s.

#### Malt Extract with Cod-Liver Oil (Pharmaceutical)

1 lb. at 1s. 3d.	4 lb. at 4s. 6d.
2 lb. at 2s. 4d.	7 lb. at 7s. 6d.

#### Malt and Cod-Liver Oil for Veterinary Purposes

7 lb. at 5s.	56 lb. at 32s. 6d.
14 lb. at 9s. 6d.	112 lb. at 56s.
28 lb. at 18s.	

**MEDICINES AS COCKTAILS.**—An amusing article by A. J. Alan, in the "Radio Times" of December 20, is based on the idea of drinking medicines in lieu of cocktails. Four autograph prescriptions are reproduced on a reduced scale.

An intelligently written article on pharmacy for women, based on an interview with Miss Elsie Hooper, B.Sc., Ph.C. (Gordon Hall School of Pharmacy for Women) appears in "The Queen" of January 1, the only disputable element being the caption, "Pharmacy and Dispensing as a Career."

**PRESERVATION OF SCENERY.**—The following resolution has been passed by the directors of J. C. Eno, Ltd., London, W.1:—"That it be a direction to the advertising department that posters or outdoor signs should not be placed in positions where they would spoil, or tend to spoil, the beauty or amenities of their surroundings."

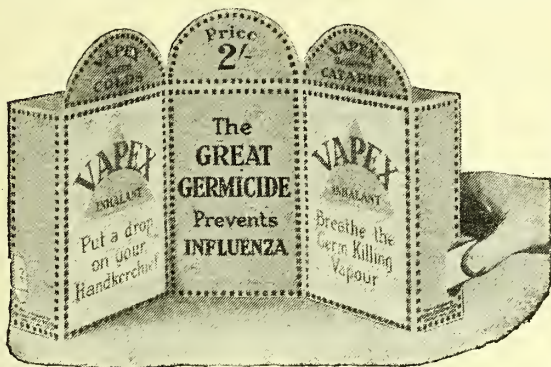


## Trade Notes

**TINCTURE OF IODINE** in capillary bottles with screw caps is marketed by Ayrton, Saunders & Co., Ltd., Hanover Street, Liverpool, under the name of Iodot.

**ABSORBENT LINTS.**—Vernon & Co., Ltd., Penwortham Mills, Preston, specialise in absorbent and boric lints, and their name should have appeared under "Lint" in the 1930 *Diary Buyers' Guide*.

**VAPEX**, the well-known preparation manufactured by Thomas Kerfoot & Co., Ltd., Bardsley Vale, Lancashire,



is now being issued in an outer which makes for efficient display and easy handling at the counter.

**PROGYNON** (Schering, Ltd., 3 Lloyd's Avenue, London, E.C.3) is a highly concentrated ovarian hormone for female climacteric. It is claimed to be effective when administered orally, and the high price is justified by the nature of the raw material employed, the involved method of manufacture and the system of control.

**THE PEPSODENT Co.**, India House, 8 India Street, London, E.C.3, are making special efforts by means of national advertising and window displays during the period January 20-27 to focus the attention of the public to their well-known dentifrice. As will be seen on another page, chemists are asked to co-operate in this scheme, which, it is pointed out, will result to mutual advantage. Particulars of the new display material and terms are being sent to chemists.



UNDER the name of **Lembena**, Vinolia Co., Ltd., Bebington, Cheshire, have placed on the market a lemon-scented verbena soap packed in boxes of three tablets. The soap is pleasantly perfumed, having no trace of that aggressiveness often so predominating in verbena soaps. The showcard, illustrated herewith, is of striking design, and printed in some half-a-dozen colours. Particulars as to prices will be sent on application.

**ORGANOTHERAPEUTIC PRODUCTS.**—Armour & Co., Ltd., Armour House, St. Martin's-le-Grand, London, E.C.1, are issuing a new edition of their price list of Glanoid medicinal preparations of animal origin.

**FOOT FOAM.**—Foam Preparations, Ltd., The Session House, Clerkenwell Green, London E.C.1, announce the launching of an advertising campaign and give the wholesale and retail prices of Foot Foam elsewhere in this issue.

**WRIGHT, LAYMAN & UMNEY, LTD.**, manufacturing chemists, 44-50 Southwark Street, London, S.E.1, inform

us that they are introducing a 2 oz. Lysol to sell retail at a popular price. This is packed in a two-colour carton, with an aluminium measure, and can be obtained on the usual bonus terms.

**STANIFORM PREPARATIONS.**—Staniform, Ltd., Carnwath Road, London, S.W.6, whose advertisement in this issue is printed in two colours, are offering on certain orders a bonus in the form of half-a-dozen bottles of the lotion, which is stated to be an effective remedy against chilblains. All Staniform brand preparations are protected under the scheme of the Proprietary Articles Trade Association. The company has issued a useful booklet on "Helpful Hints for Everyday Ailments," and copies will be sent to C. & D. subscribers for distribution to their customers on application.

**THE WIRELESS YEAR BOOK.**—The Trader Publishing Co., Ltd., St. Bride's House, Salisbury Square, London, E.C.4, have sent us a copy of "The Wireless and Gramophone Trader's Year Book and Diary, 1930" (5s. 6d. post free). In addition to a wealth of other information, a comprehensive summary of the new Marconi licence has been included, together with a list of the nineteen scheduled patents and a brief explanation of the nature and scope of each. Considerable gramophone trade information has been added, including a classified list of the various makes of records on the market, showing at a glance their manufacturers, labels, reference codes and prices. The trade lists have all been carefully revised and corrected. In three of these sections—viz., the list of manufacturers' names and addresses; the classified buying guide section; and the alphabetical list of proprietary names—the wireless and gramophone trades have been combined instead of appearing in separate lists as in the previous edition of "The Year Book." In the remaining sections (the alphabetical and territorial lists of factors) the wireless and gramophone trades have been kept separate.

## Trade-Mark Applications

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary," 1930, p. 341.

(From "The Trade Marks Journal," January 1, 1930.)

- "CRESTAR"; for toilet preparations (48). By G. C. Marchand, 67 Aldersgate Street, London, E.C.1. 504,061.
- "DOZI"; for all goods (48). By A. J. Izod, Ltd., 49 Conduit Street, London, W.1. 507,709.
- "HENDONIA"; for perfumery, etc. (48). By Druggists' Specialities, Ltd., The Hyde, Hendon, London, N.W.9. 508,079.
- "BEARD-TAMER"; for shaving brushes (50). By E. R. Squibb & Sons, 80 Beekman Street, New York, U.S.A. 505,426.
- "PEARLEXO"; for goods (50). By The British Xylonite Co., Ltd., Hale End, London, E.4. 506,590. (Associated.)

(From "The Trade Marks Journal," January 8, 1930.)

- "SITOBROM"; "BROMOR"; "FOTOBEL" with design of two human masks; for photographic goods (1), (8) and (39). By Union Chimique Belge Société Anonyme, 61 Avenue Louise, Brussels. 505,904/910/913; 505,905/911; 506/118; 505,905/912; 506,119. (Associated.)
- "SHELL BRAND" with shell design on square block; for agricultural chemicals, etc. (2). By The Asiatic Petroleum Co., Ltd., St. Helen's Court, Great St. Helen's, London, E.C.3. 498,703. (Associated.)
- "BLUESTONE TABLETS FOR WORMS IN SHEEP" with label design incorporating pastoral scene; for medicinal tablets (2). By H. & T. Kirby & Co., Ltd., Newman House, Belton Road, Willesden Green, London, N.W.2. 506,960.
- "MAYSKIL"; for veterinary preparations (2). By E. E. Mayer, Fawsitt & Co., Ltd., 6 Lloyd's Avenue, London, E.C.3. 507,426.
- "ALBOLINEUM"; "VAPLAMP"; for all goods (2), and for surgical lamps (11). By Cooper, McDougall & Robertson, Ltd., Ravens Lane, Berkhamsted, Hertfordshire. 507,622; 507,248. (Associated.)
- "MEDIKOL" with triangular geometrical design ("Medikol" disclaimed); for constipation medicine (3). By Medikol, Ltd., 11 Haymarket, London, S.W.1. 502,881.
- "LEMFERU"; for beverages (42). By Idris, Ltd., 120 Pratt Street, Camden Town, London, N.W.1. 507,173.



## Births

Notices for insertion in this column must be properly authenticated.

**NOBLE.**—At Caerthillian Nursing Home, Fordwych Road, London, N.W., on January 4, the wife of F. A. Noble, pharmacist, 342 High Road, Brondesbury, N.W., of a daughter.

## Deaths

**ASHBY.**—On December 24, 1929, Mr. Morris C. H. Ashby, chairman of Morris Ashby, Ltd., manufacturing chemists, 17 Laurence Pountney Lane, London, E.C.4, aged fifty-eight.

**COURTIER.**—At his residence, Thorpe Lodge, Chessel Avenue, Boscombe, Hants, on December 23, 1929, Mr. Herbert Courtier, a director of Ford, Shapland & Co., Ltd., printers, Great Turnstile, High Holborn, W.C., aged fifty-five. Mr. Courtier joined Messrs. Ford, Shapland & Co. in 1911. Owing to ill-health he relinquished his position as a managing director three years ago, but retained his interest in the business by remaining on the board of directors. He was a liveryman of the Stationers' Company.

**HUBAN.**—On December 26, 1929, Mrs. Huban, Gort, co. Galway, mother of Mr. J. M. Huban, Ph.C., Athlone, and of Major J. P. Huban, O.B.E., I.M.S., New Delhi.

**OLDHAM.**—At his residence, Clarkson Avenue, Wisbech, on January 1, after a long illness, Mr. Frank Oldham, J.P., chemist and druggist, aged seventy-two. Mr. Oldham was educated at Barton School, and subsequently joined his father in the chemist's and optical business at Market Place and Cornhill, Wisbech; when his father retired in 1885, he took it over. He was a town councillor from 1896 to 1928.

**SCRYMGEOUR.**—At his residence, "Strathyre," Waterloo Road, Southport, on December 28, 1929, Mr. Charles Taylor Scrymgeour, a director of Beechams Pills, Ltd., Veno Buildings, Chester Road, Manchester, aged sixty-one. Mr. Scrymgeour joined the office staff of Mr. Thomas Beecham when a young man, and served the firm for forty-three years. About two years ago, when Beechams Pills, Ltd., St. Helens, and the Veno Drug Co. (1925), Ltd., Manchester, arranged a central distributing depot at Manchester, Mr. Scrymgeour was appointed a director of Beechams Pills, Ltd., and took up his duties as export and advertising manager to the joint companies, which position he held until his death.

## Personalities

**MR. G. P. C. VALLANCE**, who was one of the "reserves" for the England v. the Rest Rugby football



MR. G. P. C. VALLANCE

a director of the company, and is in charge of the optical department.

trial match at Twickenham on January 4, is a son of Mr. A. C. Vallance, Ph.C., and a director of A. C. Vallance, Ltd., manufacturing and photographic chemists, Mansfield, being in charge of the Milton Street works. Mr. G. P. C. Vallance also plays regularly for the Nottingham and the Notts, Derby and Lincoln teams. At present he is at Wengen, Switzerland, for the winter sports. Mr. Alec F. Vallance, another son of Mr. A. C. Vallance (who was for many years a director of James Woolley, Sons & Co., Ltd., Manchester), is also in charge of the optical

Mr. H. N. LINSTEAD, secretary and registrar of the Pharmaceutical Society of Great Britain, has been elected a corresponding member of the Paris Society of Pharmacy.

**MR. CECIL HANBURY, M.P.**, son of the late Sir Thomas Hanbury, has had conferred on him the Grand Cordon of the Crown of Italy. The ceremony took place at his residence at La Mortola, Italy.

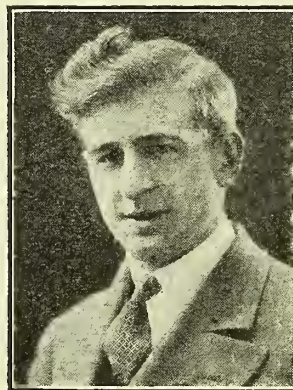
**SIR WOOLMER WHITE**, chemist and druggist, is the anonymous donor who recently gave £40,000 for the modernisation of the Royal Portsmouth Hospital as a thank-offering for the King's Recovery.

**MR. W. J. BEAN**, who has retired from the staff of the Royal Botanic Gardens, Kew, after forty years' service, has been appointed Adviser and Consultant on Planting in Highways to the Ministry of Transport.

**MR. J. L. WHITE**, who has been with Spencer Brothers, puff manufacturers, London, E.C.4, for many years, has been transferred to the representative staff, and will be visiting some of the larger provincial towns this month.

**MR. R. W. HEWARD**, son of the late Mr. R. H. Heward, founder of The R. H. Heward Co., surgical

appliance manufacturers, Twickenham, celebrated his coming of age recently, and opportunity was taken at the annual staff dance on January 3 to present him with a clock from the staff in commemoration of the event. To mark the occasion the firm doubled the salary for the week of each of their employees, and Mr. Heward has been taken into the partnership. The social event was a great success, being attended by some 250 employees and their friends, including the Mayor and Mayoress and several members of the Town Council.



MR. R. W. HEWARD

A PARTY was held at Oswaldtwistle Town Hall recently to celebrate the coming of age of Mr. William H. Blythe, only son of Mrs. Blythe and the late Mr. Lance Blythe (William Blythe & Co., Ltd., chemical manufacturers, Church). A framed oil painting of the late Mr. Lance Blythe was presented to his son at the close. Mr. W. Collison, joint managing director, who made the presentation, outlined the history of the company, which was established by the great-grandfather of Mr. William H. Blythe.

**MR. ROBERT MELLON, Ph.C.**, Tamboers Kloof Pharmacy, Cape Town, is returning to South Africa by the s.s. "Ceramic" on January 25, after a brief visit to friends in Great Britain and Ireland. Mr. Mellon, who is the representative in the Union of South Africa and Rhodesia for the United Drug Co., Ltd., Nottingham, was formerly in business in Dublin following experience as an assistant in Belfast, and was able to give his many retail friends in Ireland a good account of the formation of the Cape Province Pricing Association (of which he was the first chairman) and conditions in South Africa generally.

## Information Department

### INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

B/3012.	Buer's Mulla	F/31.	Holarsol
F/31.	Corylac	A/3012.	Lycetin liver extract
E/81.	Fighting Force alternative mixture	B/31.	Scafoam shampoos
S/91.	Frankenia aluminium hot water bottle	B/31.	Verna shaving cream
M/81.	Hepaton liver extract	H/21.	Vasoleol (liquid paraffin)
		B/31.	Zodora hair cream



## Observations and Reflections

By Xrayser III

### Severe in Tone

as it is, your first editorial article on January 4 (p. 14) accords with the views of many members of the Pharmaceutical Society, to the extent that they would like to feel assured that the Council is doing something more than wait upon events. Possibly something in the shape of constructive policy is being built up, and it is for diplomatic reasons only that we have not so far been enlightened on the subject. Candidly, however, I think it is time the members of the Society generally were taken into the confidence of the Council and allowed to know not only that something is being done, but what the nature of that something may be. Last week indicated what material should, in my humble opinion, be in readiness for purposes of attack as well as defence. In your more drastic comment upon the apparent inactivity of our leaders, you have effectively dotted the i's and crossed the t's, providing a stimulus which should be regarded as being in the nature of encouragement to go forward rather than as mere criticism of seeming inaction. Accumulation of funds, planning of palatial offices, swelling of staffs, and extravagant subsidising of pharmacological and research laboratories are all very well in their way; but developments of this kind cut no ice with the rank and file who are engaged in carrying on the business of a chemist and druggist. What most of us want to know is how to ensure security of tenure in our business on a basis worth while. Will not the Council let us have some assurance that steps are being taken to satisfy our needs in this respect?

### "Much Ado About Nothing"

will probably be the verdict of panel chemists generally when they reflect upon all the fuss that has been made about the existing financial position in regard to National Health Insurance dispensing and the tame ending to which you have now directed attention (*C. & D.*, January 4, p. 16). Apparently there are funds available for supplementing the moneys in the drug fund, to the extent that it is improbable there will be any serious discounting of this year's accounts; but what many of us would like to know is why this could not have been ascertained without the necessity of sending a deputation to the Ministry of Health. It appears to me a feeble sort of game to endeavour to work upon our feelings with a suggestion of possible discounting, so that the sense of relief when that possibility is shown to be averted shall make us grateful for the very scant mercy of being allowed to obtain what is due to us, and act as the waters of Lethe in the matter of our desire to secure more satisfactory remuneration. There is nothing in your report to indicate that the deputation definitely pressed for increased remuneration on a specified scale, though this would appear to be the policy that ought to be pursued. Those "balances in other medical benefit funds" have saved the situation so far as the Ministry of Health is concerned, while acting as a soporific to the chemists' deputation. It may be news to those responsible for sending the deputation that there are other very large balances in National Health Insurance funds, which might be made available for placing the dispensing of medicines for insured persons on a more satisfactory basis. I am credibly informed that such is the case, and that the whereabouts of those balances is no mystery to persons who are familiar with the intricacies of the national accounts.

### Mr. E. M. Holmes

is a remarkable personality, and his New Year message (*C. & D.*, January 4, p. 17) will be read with interest by hundreds, if not thousands, of chemists and druggists who have had occasion to consult him during the past fifty odd years. I am not so sure about his message attracting the attention of newcomers to our business, or as to the entire applicability of his advice to workers under modern conditions. But all his old friends will join in congratulating him upon his ability to maintain interest in our affairs, and in wishing he may continue to do so for many long years to come.

### Esters and Ethers

have been differentiated by Dr. Tait in a manner that should be fairly comprehensible to most of your readers (*C. & D.*, January 4, p. 7), particularly if they will take the trouble to read in addition the report of the discussion on his paper. Mr. Dott's reminder that esters were formerly known as compound ethers was much to the point, and his explanation of the facility with which morphine can be regenerated from its esters should go far to satisfy those who were doubtful as to the necessity of imposing any restriction upon their use in medicine. Not that there appears to be sufficient justification for the excessively severe restriction now enforced in the case of heroin. But it is well for us to know the why and wherefore of everything connected with the medicines we may be called upon to dispense.

### The Article

in "The Times" on Dr. James's Fever Powder to which you refer (*C. & D.*, January 4, p. 1) is interesting, because of the statement that Messrs. Dobell, the booksellers, have acquired what they seem to think may be the only surviving copy of the prospectus of that specific. Dr. Robert James was called "Lucky Dr. James"; in the many curious circumstances attending the introduction, and contributing to the fame, of his remedy, he was, indeed, remarkably lucky. He, himself, valued the element of luck associated with his famous visit to John Newbery. When he paid his first visit to Newbery the latter was too busy to listen to the doctor's proposals, but asked him to visit him (Newbery) at his country house at Vauxhall on the following Sunday. As James, on the appointed day, passed over Westminster Bridge he saw a horseshoe in the road, and, considering this as a clear indication of good luck, he put it into his pocket. His negotiations with Newbery turned out so satisfactory that he ascribed his success to the good omen with which he had met. When he "set up" his carriage he adopted the horseshoe as his crest. But James was above all things else fortunate in the way printer's ink was employed in connection with his medicines. By friends and foes his physic was discussed in print, and the most active in the employment of the Press was James himself, either in putting out prospectuses or publishing his dissertation. His pamphlet is a fine example of what a convincing appeal on behalf of a medicine should be, whether intended for the faculty or for the intelligent public.

### "A Dissertation

on Fevers and Inflammatory Distempers wherein An expeditious Method is proposed of curing those dangerous Disorders, by R. James, M.D., . . . To which is added, An account of the Success with which this Medicine has been given in the Smallpox, Yellow Fever, Slow Fever and Rheumatism." It was published by "J. Newbery at the Bible and Sun in St. Paul's Church Yard." I think I am correct in saying that the first edition appeared in 1748, the second in 1749: I have a copy of the fourth (1758), and the eighth bears the date 1778. The pamphlet consists of eighty-four pages, of which seven contain a general discussion of the treatment of fevers; the greater part of the rest is a well-compiled series of "cases" recited in such a restrained, professional manner as to demand the attention of an interested reader. "The Medicine," as the author calls it, is introduced into the narrative almost casually. In view of what is now known concerning the doubts of James's contemporaries as to whether he was the actual originator of this preparation of antimony, it is particularly worthy of note that he does not make any statement as to how he became acquainted with it, nor any claim as to whether he was indeed its inventor. He anticipates that he will have to cope with persecutors and detractors; but he advises them to save themselves the "unnecessary trouble," as he is prepared to rest his reputation and that of his remedy on his "cases." It should be pointed out that his first record is dated 1741, that is, six years before he was granted his patent.





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## Editorial Articles

### Scientific Nomenclature and Style

THE close connection of the Medical Research Council with the various bodies concerned in the preparation of the next British Pharmacopœia lends additional importance to a pamphlet, issued by its publications department (though not on sale to the public), entitled "Notes upon the Preparation of Reports for Publication." It has been said—perhaps with less regard for truth than for the launching of an epigram—that men of science are the only people who have anything worth saying and the only people who do not know how to say it. However that may be, writers of scientific monographs may with advantage make themselves acquainted with the contents of the practical notes supplied by the Council. Not every worker in the many fields of science, for instance, uses, or is likely to use, "g." as the abbreviation for gram (which, by the way, the Council spells "gramme"), or converts a diphthong in words of Latin origin into two separate letters. Section 10 of the pamphlet, headed "Chemical Nomenclature," may be quoted almost in its entirety:—

The *acid salts* of acids containing more than one replaceable hydrogen atom should be described by naming the actual cations which they contain: e.g.,  $\text{NaHSO}_4$ , sodium hydrogen sulphate (not acid sodium sulphate)

*Substances* containing basic groups should always have names terminating in *ine*: e.g., aniline, not anilin; choline, not cholin; creatine . . .

The ending *in* is restricted to certain neutral compounds, viz.: carbohydrates, glycerides, lipins, glucosides, and proteins: e.g., dextrin, palmitin, lecithin, amygdalin, albumin.

Most of the amino-acids derived from proteins (not proteids) follow this rule; e.g., leucine, glycine (not glycecoll), histidine, proline, thyroxine. The amino-acid *tryptophan* should not be spelt with a terminal *e*, the ending *ane* being reserved for saturated hydrocarbons, e.g., methane, propane.

All hydroxyl derivatives of hydrocarbons (alcohols) should have names ending in *ol*: e.g., glycerol (not glycerine), mannitol (not mannite), dulcitol (not dulcite), erythritol (not erythrite), cholesterol (not cholesterin), resorcinol (not resorcin).

The names of compounds which are not alcohols but have been given trivial names, commonly used, ending in *ol*, should be spelt with a terminal *e*: e.g., anisole, indole, scatole.

The term *lipin* (not lipoid) should be used to designate the fatty substances containing either nitrogen or nitrogen and phosphorus (lecithin, kephalin, phrenosin, kersin, etc.). "Lipoid" (or better "lipoidal") may be used adjectivally.

That which is justifiable on etymological or other grounds may not always be expedient; and, as the writ of the Council does not run on the Continent, we are inclined to think that it would be preferable if a certain latitude was allowed until questions of scientific nomenclature are agreed on internationally.



On the question of style the pamphlet, with the best of intentions, is a thought too drastic to fit the facts of the case. We read: "It is a common experience of the Council that in revision of manuscripts submitted to them a 10 to 20 per cent. reduction in length can be readily effected by attention to arrangement and by avoiding redundant or reduplicated sentences." That is not our experience. Appendix I of the pamphlet consists of words or phrases with "shorter and better equivalents," arranged in parallel columns. Many of the alternatives recommended are admirable, but some are almost pedantic. To make the bald suggestion that "often" should be used in place of "frequently," for example, is to overlook the common circumstance that any one word may easily become overused in the course of even a short paper. Again, to give "much" or "significant" as substitutes for "considerable" is less than adequate—incidentally, "significant" contains only one letter less than "considerable"—for "considerable" is sometimes a concise word for "worthy, in the circumstances, of consideration" and sometimes a way of expressing "standing on a high (or very high), but not quite the highest, level." Even the pamphlet itself is not invariably impeccable in matters of style: thus, in the paragraphs we have just quoted, the placing of "," "and " before "e.g." is apparently not governed by any principle. Contributors to the Medical Research Council's series of reports will, of course, find the guidance of these twenty-two pages of great—we had almost written "considerable"—value; and authors of British Pharmaceutical Conference papers who are writing for the first time may also study them with profit. After all that can be said as to literary excellence, the stylist in science is of rare occurrence.

### Customs and Excise Report

STATISTICS presented in the twentieth report of the Commissioners of Customs and Excise, covering the year ended March 31, 1929, show very little change affecting pharmacists. The Finance Act, 1928, imposed certain new duties including modified rates on sugar, molasses, glucose and saccharin. While the old duty was maintained on foreign sugar polarising over 98°, a reduction was made in the case of such sugar below that figure. Empire sugar up to 98° continued to receive the stabilised preference, and a new step in the scale was introduced for Empire sugar between 98° and 99°, in which the duty was reduced to correspond with that on Empire sugar up to 98°. On such sugar above 99° the preference over foreign sugar refined abroad was increased. The total revenue from sugar during the period under review declined to the extent of £3,500,000. In the section dealing with spirit duties, tabulated figures show that the issue of spirits for the manufacture of methylated spirits has steadily increased over the four preceding years. While the quantity of spirit imported for this purpose varies greatly from year to year, the amount which is home-manufactured remains fairly stable. Figures for non-dutiable spirit used under the Finance Act, 1902, in arts and manufactures and for scientific purposes also show an increase. The number of proof gallons of perfumed spirit imported during the year totalled 20,911, yielding a revenue of £129,494, and the duty on samples of articles containing spirit was £1,757. The non-dutiable use of alcohol is referred to in a paragraph in the report. The Finance Act, 1924, authorises the Commissioners to prescribe the substances to be used as denaturants in methylated spirits and

their proportions. Imported spirits used for the manufacture of mineralised methylated spirit are charged a differential duty. Methyl alcohol used in an art or manufacture is free of spirit duty, but is liable to key industry duty. The total quantity of industrial methylated spirits used, including 326,722 gallons of pyridinised spirit employed in the manufacture of finish, was 4,915,887 bulk gallons. From a table giving the quantities employed we select those of interest to the drug trade:—

Use	Quantity used	
	Year ended March 31	
	1928	1929
	Bulk gallons	Bulk gallons
Soap .. .. .	193,056	198,046
Hair washes .. .. .	98,067	112,998
Cattle medicines .. .. .	4,676	3,223
Plant washes, insecticides and sheep dips .. .. .	11,338	9,190
Ether .. .. .	239,318	208,092
Crude acetic and other esters for industrial purposes (for sale) ..	17,886	91,483
Chloroform .. .. .	632	380
Ethyl chloride and bromide ..	8,470	6,506
Solid medicinal extracts ..	58,326	84,932
Alkaloids and fine chemicals ..	77,375	101,408
Embrocations, liniments and lotions	48,287	52,130
Surgical dressings .. .. .	19,589	21,715
Capsules and other medicinal appliances .. .. .	4,836	3,063
Disinfectants .. .. .	6,289	9,400
Collodion .. .. .	50,216	52,345
Photographic plates and papers, and other photographic purposes	40,966	67,338
Other purposes:—		
Hospitals, asylums and infirmaries	119,505	128,743
Analytical and scientific purposes in the laboratories of analysts, works chemists, etc. ..	25,537	18,164
Educational and scientific purposes in colleges and schools ..	7,593	7,470
Preservation of specimens in museums and hospitals ..	5,093	5,817
Use in dispensing on doctors', dentists', or veterinary surgeons' orders or prescriptions under No. 10 of the Methylated Spirits Regulations, 1925 .. .. .	3,235	3,579

Certain scientific instruments or component parts thereof are affected by key industry duty. Optical glass and optical elements and component parts of optical instruments including microscopes, etc., show a revenue of £219,863, while laboratory porcelain, beakers, scientific glassware, etc., show a yield of £52,866. Synthetic organic chemicals and all fine chemicals subject to certain conditions resulted in a total duty of £189,807 being obtained. The following table shows the respective numbers of makers or vendors and the yield of medicine-licence duty for five years:—

Year ended March 31	England		Scotland		Total	
	No.	Net receipts	No.	Net receipts	No.	Net receipts
		£		£		£
1924-25	49,047	12,263	4,234	1,058	53,281	13,321
1925-26	51,827	12,967	4,384	1,096	56,211	14,063
1926-27	55,210	13,797	4,522	1,131	59,732	14,928
1927-28	71,621	17,900	4,808	1,202	76,429	19,102
1928-29	84,362	21,078	5,619	1,404	89,981	22,482

The net receipts for medicine-stamp duty for the year 1928-29 totalled £1,333,512, an increase of £84,067 over the previous year. Among the non-revenue work performed by the department was the prevention of the importation of shaving brushes manufactured in or exported from Japan; hashish and benzoyl-morphine; prevention of the irregular importation of synthetic organic dyestuffs and therapeutic substances. Other miscellaneous duties for other



departments and services included the enforcement of health regulations, work in connection with the Sale of Food and Drugs Acts, and the investigation of certain National Health Insurance questions. The appendix of the report is devoted to tables showing duties obtainable together with amounts of drawbacks allowed on a number of articles. The rates in force for excise licence duties are also shown.

### Increasing Bismuth Production

RATHER more conservative views have gained ground again lately in regard to the outlook for bismuth, on account of the quietly growing competition outside of the Bismuth Association, as indicated in last week's Trade Report. In our issue of December 28 last, mention was made of the fact that the plant which was erected for the recovery of bismuth by the Consolidated Mining & Smelting of Canada had lately started operations, and that its output is expected to amount to about 30 tons per annum. This, of course, would represent quite a big item, being equal to 67,200 lb., or approximately 12 per cent. of the estimated world's consumption at, say, 240 tons per annum. On the last occasion we commented on the outlook for bismuth, on December 15, 1928 (p. 731), this development was alluded to, although at that time no particulars were available as to the working capacity of the plant now in operation. It may well be assumed that the marketing of this output from British Columbia at the rate of about 2½ tons a month will eventually make its influence felt in the open market in competition with other supplies from uncontrolled sources, inasmuch as there has been already an apparent oversupply for some time past. The recovery of bismuth at the Trail plant in Canada by the prominent concern referred to is intended to be proceeded with much in the same way as has happened in the case of cadmium, which has proved a great success within a period of less than two years and thus resulted in an important factor in cheapening to some extent and keeping down the selling price of the latter metal. Market conditions between the two metals differ essentially in this, that bismuth is governed, as it has been practically ever since it was established on a commercial basis, by the existence of a monopoly whose selling price is arbitrarily fixed more or less in line with the absorbing capacity of the world's consumption, whereas cadmium is apt to fluctuate daily in a free open market in line with the law of supply and demand. The expansion of the outlet for bismuth, although at a fairly progressive rate, has been nothing like that for cadmium, which has been extraordinarily rapid. In the matter of bismuth consumption, American requirements, which represent about two-thirds of the world's needs, constitute the most important factor, but, as we have previously pointed out, American imports have been fast dwindling in more recent years, largely on account of a constantly increasing domestic output in connection with the treatment of residues from the larger lead and zinc refining plants, one of which is owned by the U.S. Smelting, Refining & Mining Co. The fact may be recalled that in 1924 the Bismuth Association was confronted with a heavy accumulation, which resulted in the official price being cut down by 50 per cent. from 10s. to 5s. per lb. The clearing of this accumulation was probably greatly facilitated not only by this action, but also by the fact that in 1925 American imports were close on 100,000 lb., which enabled the official price in that year to be first raised to 7s. 6d., then to 10s., and finally to 12s. 6d., which was also the

"record" figure reached in the war period. It may not be very long, however, before America is able to produce all the bismuth she needs; and there is, therefore, little doubt that the larger part of the bismuth which will be secured in Canada this year and onward will find its way to the European markets. The American price delivered (inclusive of the duty of 7½ per cent.) lately has been standing at \$1.70 per lb. based on one-ton lots, which thus works out at a fraction under 7s. per lb., and compares with 7s. 6d. as quoted by the Association since July 9, 1928. There has, therefore, been no change made by the latter for the past year or for over eighteen months, following the several downward changes made in 1924, upwards in 1925, and reductions down to 10s. in 1926. In 1927 there was a further reduction to 8s., and then two additional revisions made in 1928 to 9s., and finally to 7s. 6d. The fact that the Association price of 7s. 6d. has been undercut by American independent producers for some considerable time past speaks for itself, so that with an increasing amount of outside competition to be reckoned with the time may not be far distant when the Association will find itself under the necessity of reconsidering its position. We give below official U.K. returns so far as they have been issued:—

	1924	1925	1926	1927	1928
	Lb.	Lb.	Lb.	Lb.	Lb.
U.K. imports of metallic metal	481,677	379,652	301,248	163,219	36,647
	Tons	Tons	Tons	Tons	Tons
U.K. imports of ores .. ..	121	215	126	139	95

	1926	1927	1928
	Lb.	Lb.	Lb.
U.K. exports .. ..	403,713	194,727	86,363

It will be seen that these returns have been most erratic from year to year. The figures indicating imports of either metallic bismuth or of ores for 1928 were admittedly abnormally small, but it is possible that this has been made up to a good extent in 1929, for which year no returns will be officially published for several months. What is perhaps rather more significant is that there has been a heavy decrease in the exports in the three years including 1928.

### "Index Londinensis"

THE tenth and last issue for the past year of the "Bulletin of Miscellaneous Information," published for the Royal Botanic Gardens, Kew, by the Stationery Office, contains the announcement that the first volume of the new "Index Londinensis to Illustrations of Flowering Plants, Ferns and Fern-Allies," edited by Dr. Otto Stapf, F.R.S., is about to appear. This important work, the preparation of which was taken in hand about twenty years ago, is founded on G. A. Pritzel's "Iconum Botanicorum Index Locupletissimus," which has been the standard book of the kind since its appearance in 1855. The liberality of the Royal Horticultural Society, supported by private contributions, has met the cost of the long-continued research essential for the work of compilation; and the printing has been entrusted to the Clarendon Press. The card entries for this first volume number about 84,000, and the complete work will show an expansion from Pritzel's 170,000 references to nearly three times that number. The price is £5 5s. a volume. It is almost superfluous to add that every detail of the scheme of classification has been carefully thought out, and that only the staff engaged in the actual preparation of the Index can fully realise the enormous amount of work involved. The key to the use of the volumes is being printed in English, French and German.



## Post-Deputational Reflections

By "Long Sufferer"

At this season of the year one finds oneself sometimes in the frame of mind to learn some lessons from past experiences. No one will affirm that the present position of the panel chemist is really satisfactory. On page 16 of *THE CHEMIST AND DRUGGIST* for January 4 is a report of the visit to the Ministry of Health of a deputation from the Retail Pharmacists' Union, and no one can read that report and note the result of that interview without having it borne in upon him how weak the chemist's position really is when it comes to a discussion with a Government department.

No doubt there were arguments put forward on both sides—and the report is, necessarily, merely a summary of the proceedings; but it appears to the onlooker that the departmental mind was already made up before the R.P.U. put their case, and that the statements made on behalf of chemists in favour of more advantageous terms, while they were listened to with a benevolent sufferance, had from the outset no possible chance of moving these politely patient but adamant officials in the direction of providing a more generous remuneration for pharmaceutical service under the Insurance Acts.

Had some fresh convincing facts been introduced into the discussion by our representatives the officials might have been startled out of their contemplative calm and induced by the force of mathematical persuasion to concede some favourable points; the result of the interview might then have been different. But nothing so wonderful as that happened. In fact, it would appear from the report that the R.P.U. having asked, and the Ministry having remarked "Sorry, but it cannot possibly be done," the deputation quietly withdrew, and on their reporting the proceedings to the full Council it was decided—reluctantly, no doubt, but definitely—to bind chemists to a further period of three years on the same old terms.

How feeble it all sounds! How feeble it always sounds!—for the same thing happens practically every time a deputation of chemists' representatives waits upon the Ministry. Why is it that these negotiations end so unsatisfactorily for the men who do the actual work? Surely this failure must be due to one of two causes. Either the representatives chosen to bargain with the Ministry have not sufficient astuteness, wit or resource to convince or convert the Government officials, or else the chemists' representatives really have no good case to put forward.

### FACTS ALONE PREVAIL

Let us be quite frank with ourselves. It is no use expressing pious opinions, or advancing ardent desires as arguments; facts alone will bear investigation and stand unaffected when the cold light of reason is thrown upon them from the opposing side. Any chemist who peruses again the paragraph dealing with this matter cannot but be impressed with the reply given by the Ministry officials. It is not given to us to know the details of the statement made by the deputation, and there is no reason for doubting that they did their best with the material in their hands. All that we read, however, is that they fully explained to the departmental officers the position of the chemists in relation to the "drug" fund (meaning the chemists' fund). Is it to be supposed for a moment that such explanation was necessary, or that the R.P.U. could tell the Ministry anything about that aspect of the matter that they did not already know? Let us admit the futility of such conversations as these so far as they can possibly effect any improvement in the chemists' position. Is it not (to use a colloquial phrase) merely repeating the time-honoured process of "teaching one's grandmother to suck eggs"?

Turn for a moment to the published reply of the Ministry to these R.P.U. representations. Here are certain facts categorically marshalled in defence of the departmental position:—

(1) 1927 loss occurred before the R.P.U. had taken proper control of the fund.

(2) 1923 actually produced a surplus.

(3) 1929 was not yet definitely overspent.

(4) Other balances would be applied to eke out the chemists' fund before a deficiency could be admitted.

(5) There was no likelihood that during the remaining three years' currency of the contract a deficiency of any appreciable magnitude would occur.

(6) The existing contract gave a better result than would be obtained by the assumption by the Minister of sole responsibility for the fund in the case of discontinuance of that contract.

There we have half a dozen definite assertions which are adduced to disprove the statement made generally on the chemists' behalf that the fund is insufficient; and if they are true—as the circumstances in which they are brought forward must lead an unbiased observer to believe—then the explanations made by the chemists' representatives appear to leave something to be desired. Is it any wonder that "the deputation was informed that there was not sufficient proof of the present inadequacy of the fund"?

Let us try to get to the heart of this matter. Surely, if it is the fact that the fund is insufficient, that fact should be demonstrable. Where, then, lies the weakness of the chemists' position? Both parties would agree that the fund is not—cannot be, and was never intended to be—unlimited. Granting its finiteness, where does the point of sufficiency or insufficiency arise? Is it not in the conception of what should be covered by the fund? On the one hand, the Ministry say that the cash available is sufficient to purchase the particular items they want to buy, namely: (1) material; (2) use of establishment; (3) service. Taking these in their order, neither party desires to argue about price for material—the cost price principle is accepted; nor do we hear anything nowadays as to the price to be paid for the use of the chemists' establishments throughout the country. (Yet it might be well to remind ourselves sometimes that the first commercial tariff contained a separate item which was designated "Establishment charges.")

### CAUSE OF THE DISSENSION

It appears to be the third item enumerated above that is the cause of the dissension between the two parties; and the fact which finally emerges when the matter is pushed to a conclusion is surely this—that there is a difference of opinion between the Ministry of Health and the Retail Pharmacists' Union as to the value to be placed on the service rendered by the chemist when he dispenses prescriptions for insured persons. The Ministry, in the position of employer, have fixed certain terms as being in their opinion adequate, and they naturally cannot be expected to pay more unless it can be shown that the terms they offer are unfairly low. The chemist, on the other hand, is in the position of an employee who feels he deserves an increase in salary but is unable to prove his title to it. What definite proof can be brought forward to support the claim made by the chemist for more generous remuneration? The very term "inadequate" is an undefined expression. The deficiency alleged by the chemist is, to the Ministry, only imaginary, since the chemists' dissatisfaction with his present wages has its origin in the opinion he holds that his services are worth more.

Let us make no mistake about the conditions which gave rise to the present arrangement. Early in 1927 the Ministry stated in effect that they could not continue to pay the high wages they had been paying. That being so, the form in which the reduction should be effected was, within limits, left to the chemists to decide, and the alternatives offered were: Either (1) there would be a definite lowering of the dispensing fees by the subtraction of a penny all round; or (2) an indefinite reduction would be made by allowing the various contractors to divide among themselves the money available for paying their wages. No one can now doubt that the Department knew that, whichever course was chosen, there was almost certain to be a reduction on existing terms. If they knew that the contractor was bound, on balance, to make a profit, what need was there to disturb the position at all? The old contracts might have been renewed.

The fact is, then, that when chemists accepted a variation in the basis of their agreement and took what was called a "sporting chance" of getting payment of their



accounts in full, they were committing themselves to a certain reduction in wages, the extent of which could not be calculated. They must now console themselves with the Ministry's assurance that there is no likelihood during the remainder of the contract period of a deficit of any considerable magnitude occurring.

#### THE OUTLOOK

It may be quite true, as represented to the deputation, that the position is, and is likely to continue, better than that which would exist if present arrangements were ended and the Minister of Health took the responsibility for the solvency of the fund. It is, however, not the least unfortunate part of the whole affair that the present arrangement, because of its special character, operates psychologically to produce in the contractor's mind a period of acute dissatisfaction with his lot whenever deductions are made from his accounts; for this feeling would not produce the same cumulative effect if once for all it had been known at the outset that a definite shrinkage of income would have to be faced. It is right and proper that the R.P.U. on our behalf should do its utmost to persuade the Ministry to provide sufficient money to pay our bills in full. But when all that was possible has been said and done in this direction, and the Ministry still maintain that the wages offered are sufficient—well, what then? Two things, surely, remain.

First, for the individual, the need for a present choice between two courses which are open to him. Either a cancellation of the contract and a resignation from the panel owing to dissatisfaction with the terms offered, or an acceptance of the existing arrangement as the best that can be secured and a continuance of pharmaceutical service. But if the latter course is selected, let our service be cheerfully rendered, without reservation of the best that is in us because of a fancied sense of injustice.

Secondly, for the R.P.U., a realisation of the urgent necessity of making a new survey of the whole field of pharmaceutical insurance service, and of amassing ample facts and figures in support of the chemists' contention of inadequacy against the time when the question of remuneration can be reopened and the battle may be joined anew with, perhaps, a brighter prospect of victory crowning their efforts on our behalf.

## New Books

**Tillmans, Dr. J.**—*Lehrbuch der Lebensmittelchemie*. 10 in. by 7 in. Pp. 403. Marks 24.—Verlag von J. F. Bergmann, Munich. [The author of this text-book on the chemistry of foods is in Germany an acknowledged authority on this subject, and his work embodies the latest conceptions of this branch of applied chemistry. In an introductory chapter the chief constituents of foods, their occurrence, chemical composition, characters and properties are briefly described. This is followed by a chapter on the nutritive value of various foods, with notes on the rôle of vitamins in nutrition. The actual subject matter is dealt with in the following chapters: Foods of animal origin; fats and oils; foods supplied by plants; coffee, tea, cocoa, chocolate and tobacco; alcoholic beverages; condiments; and water. The method of preparation of each article is described, including the various manipulations to which it may be subjected, with notes on commercial grades, adulterations, constituents, nutritive value and standards. Included in the work are 67 illustrations.]

*County Court Practice Made Easy*. 7 in. by 5 in. Pp. 177. 5s. Effingham Wilson, 16 Copthall Avenue, London, E.C.2. [To, among others, "the business man with doubtful debts upon his books," this handy little book is appropriately dedicated. Indeed, we can imagine no book that would be likely to be of greater assistance than the one before us to the tradesman who finds himself compelled to bring pressure to bear upon his customers. This book has now reached its sixth edition, in which parts have been rewritten; but the author still takes his reader, step by step, through all the stages of debt recovery, and instructs him with as much care and lucidity as if he were actually at his side. As a simple and readable guide to the technicalities of County Court procedure this book has no rival.]

## Insurance Act Dispensing

Record of matters concerning Chemists' interests in the National Health Insurance Acts

### Local Reports

#### ENGLAND AND WALES

**Herts.**—At a meeting of the Herts Insurance Committee, held on December 30, it was reported that a prescription dispensed by a panel chemist for mist. ferri aper. was, on analysis, found to be deficient in the following respects: ferri sulph., 10 per cent., and ac. sulph. dil., 51.5 per cent. The chemist stated that after dispensing the mixture he realised that he had, in error, used ac. phos. dil. instead of ac. sulph. dil., and he mentioned this to the committee's agent. With regard to the ferri sulph., he was willing to accept the report of the committee's analyst. He had made a mistake and expressed his regret. The Subcommittee recommended that he be fined £1. The recommendation was adopted. It was also reported that another chemist had supplied mist. ferri aper. which, on analysis, was found to have the following excesses: mag. sulph., 2.3 per cent., and ac. sulph. dil., 75.9 per cent. The chemist stated that he had interviewed the manageress, a qualified pharmacist, of the branch establishment concerned, and was convinced that the dispensing of the mixture was perfectly accurate. He then took a sample of the ac. sulph. dil. to the secretary of the Retail Pharmacists' Union, who had it analysed. The analyst reported that the inaccuracy was with the stock ac. sulph. dil., and not with the dispensing of the mixture. The Subcommittee recommended a fine of £2.

**Kent.**—At a meeting of the Kent Insurance Committee, held recently, it was reported that during the life of the present committee the Pharmaceutical Service Subcommittee had considered eighty-one complaints, sixty-seven of which were dealt with under the analysis of medicines scheme. Of the other fourteen complaints, ten were substantiated.

**Middlesex.**—At the bi-monthly meeting of the Middlesex Insurance Committee the Finance and General Purposes Subcommittee reported the following payments:—Drugs, etc., to chemists, August accounts (drugs in full and 95 per cent. of fees), £4,406 0s. 5d.; Middlesex Pharmaceutical Committee, on account of expenses, 1929, £150; chemists, September accounts (drugs in full and 95 per cent. of fees, less deductions for expenses of Pharmaceutical Committee), £4,802 6s. 10d. Subject to the approval of the Minister of Health, it was resolved to arrange with Mr. Stafford Aston, F.I.C., to test the medicines supplied under the scheme for testing drugs and appliances.

**Sheffield.**—At a meeting of the Sheffield Insurance Committee, held recently, the Panel Committee recommended that, in cases referred to them, Radiostoleum, Radio Malt, Jecomalt and Fehling's solution be regarded as of the nature of medicines. Glucose, however, was in the nature of a food. A test prescription consisting of mist. pot. iodid. c. hydrarg. showed a deficiency of hydrarg. perchlor. The chemist stated that the liq. hyd. perchlor. had been made with ordinary water, and that some precipitation had occurred. The Committee recommended that the chemist be censured and that the Minister be requested to withhold the sum of £2 2s. Mr. O. C. Wilson was elected chairman of the Pharmaceutical Service Subcommittee.

**Worcestershire.**—During a meeting of the Insurance Committee a report was presented stating that a mixture which should have contained 80 gr. of butyl-chloral hydrate did not contain any of this ingredient, and contained chloral hydrate instead. The chemist produced the bottle from which this part of the medicine was dispensed, the bottle bearing the label of his predecessor in the business and on which was written "Croton chloral," a synonym for butylchloral hydrate. The chemist, therefore, believed himself to be dispensing what had been prescribed. The committee felt that the chemist was not really to blame, and recommended that no action be taken. The report was adopted.



## Corner for Students

Conducted by Leonard Dobbin, Ph.D.

Communications should be addressed "Corner for Students," *The Chemist and Druggist*, 42 Cannon Street, London, E.C.4.

(Continued from C. & D., p. 19)

### TO CORRESPONDENTS

**TAYSIDE.**—You report silver nitrate as yielding a white precipitate with the original solution of the powder in water: this was surely an error in transcribing, since the precipitate of silver phosphate produced was really yellow.

**JOCK.**—You evidently have not grasped the purpose to be served by removing the phosphoric acid radical as basic ferric phosphate—an operation which was unnecessary in the present analysis. Look into this matter. Read the general remarks regarding citrate.

**VERDAD.**—Had you employed a suitably prepared solution of ferric chloride, you should have obtained a precipitate of ferric phosphate upon adding it to an aqueous solution of the powder. See the general remarks.

**BOB.**—When a reagent free from traces of chlorides was employed, the solution of the powder in distilled water yielded a yellow precipitate with silver nitrate which dissolved completely in dilute nitric acid.

**N. V. HERBERT.**—The precipitate which you supposed to be calcium citrate was really calcium phosphate.

**K. S.**—Since the powder did not yield any precipitate when boiled with water and sodium carbonate, the formality of filtering the mixture, if you actually did filter it, might have been omitted. The filter-paper was the only "residue" to be rejected.

**No. 53.**—The cloudiness you observed when the powder was treated with water was no doubt due to the presence of traces of calcium or magnesium salts in tap water. A perfectly clear solution was obtained when distilled water was used.

**SPORTSMAN.**—If, as your report indicates, you added nitric acid and silver nitrate to a solution already acidified with hydrochloric acid, the detection of the presence of a chloride was to be expected. You must be alert to avoid mischances of this description. Preliminary tests ought not to have been omitted.

**SCROPHULARIACEÆ.**—We are unable to account for the convincing reactions for chloride and bromide that you report, since both were entirely absent. The white vapours you observed on heating the powder with sulphuric acid were doubtless due to the volatilisation of this acid.

**ZINGIBER.**—Always test your manganese dioxide for traces of chloride, which it is very likely to contain, before using it in a test for chloride in an unknown substance. Since the powder contained a phosphate and was entirely soluble in water, the absence of aluminium and of anything more than a possible trace of magnesium was thereby established.

**SEMPER FIDELIS.**—If nitric acid had been added in sufficient quantity to the aqueous solution of the powder, silver nitrate would not have produced the yellow precipitate of silver phosphate. From your report, you appear to have left the possibility of a chloride being present an unsettled question.

**ARDUUS AD.**—It is difficult to understand what the precipitate which you obtained in applying the cobalt-nitrite test for potassium consisted of.

**ZYMIN.**—Since chloride was absent, the reactions you obtained must have been due to impurities in the manganese dioxide and other reagents that you used. An individual reply to you was not made in our last report because the points marked for comment upon your analysis were dealt with either in the general remarks or in the replies to other correspondents.

**CELTUM AND NESSLER.**—Read the reply to "Arduus ad." and the first sentence of that to "Zingiber."

**SUCCUS SCOPARIÆ.**—Read the second sentence of the reply to "Zingiber."

**MULLARD.**—The absence of arsenate could have been proved in a few seconds by adding successively to the aqueous solution of the powder, hydrochloric acid, hydrogen sulphide, and sodium thiosulphate. Had arsenate been present a yellow precipitate of arsenious sulphide

would have appeared instantly on adding the last reagent. Try this rapid and excellent test with a known arsenate.

**CANTAB.**—Note that the charcoal and silver coin test did not prove the presence of a sulphate, but only that of sulphur either free or in some form of combination.

**B. V. J.**—In testing for phosphate, there must have been something far amiss with the ammonium molybdate solution or with your method of applying the test. Make some experiments with known solutions of phosphates.

**THE PHILOSOPHER.**—The immediate white precipitate which you obtained on adding calcium sulphate to the aqueous solution of the powder consisted of calcium phosphate and had nothing to do with barium as a constituent of the powder.

## Pharmacies as Restaurants

A RECENT decision of the American Supreme Court to the effect that drug stores need not be owned by licensed pharmacists, has caused no little stir in the States. In this country a drug-store proprietor need not be a qualified pharmacist. In America, however, until this decision, qualification of the owner has been essential. The current issue of "The Drug Bulletin" quotes from an editorial article of the "New York World" the following:—

In all Eastern cities the pharmaceutical element in drug stores grows smaller and smaller. The social evolution of the drug store comes near offering an epitome of modern civilisation. A generation ago the druggist thought himself venturesome when to medicines he added a line of peppermints, licorice, pencils and stationery. To-day the drug store sells everything. It is a newshop with papers, magazines, the latest novels, and the cheaper lives of Herbert Hoover. It is a limited dry goods store—the best place to go if you need a handkerchief in a hurry. It sells cigarettes, fountain pens, safety razors, alarm clocks and electric lights. It is a complete confectionery. As a restaurant it fulfils a double function. For men it has taken the place of the quick lunches. For women it has kept pace with economic emancipation and gives what they used to find only in hotels and tea rooms. It has become the modern bar, with fizzles, juleps and shakes that would at once terrify and depress the old-time bar-tender. It is a depot of all conveniences, with phone booths, directories, stamp-vending machines and even cut-rate tickets. And the pharmacy? It has become a meek department in the rear, obscure and half disregarded. Perhaps the time will come when the only thing not dispensed in many drug stores will be drugs.

It may be a true picture. I doubt it. Even in this country it is only what the Americans would call "a cut-rate chain store," where anything at all approaching the above word-picture could be found. Even there the drug department is of first-class importance. The majority of American drug stores, though carrying very heavy stocks of side lines, are primarily "drug" shops, that is, their staple trade is dispensing prescriptions and selling drugs, crude or packed, in their original state or in combination.

Many of the American stores have made an effort to be "more than a merchant" as well as to make their establishments into places where service comes first even if it means stocking stamps and tobacco. That does not mean that drugs and medicines have been superseded, nor does it mean that dispensing has fallen into desuetude. In England, especially in London, one can now buy a handkerchief (or two for a lady) for 6d. out of a slot machine. Aspirin tablets, cascara tablets, throat pastilles, gelatin lozenges, chocolates and fruit can also be obtained from such machines. It were better that it had been possible to obtain them from the chemist and from the chemist only. By him side-lines are only carried where they can be said to be in keeping with his real business. Most chemists have to carry a large number of side-lines. Yet most of those additions are the natural outcome of the chemists' legitimate business, and he has every justification to deal in them. It is his province to use his science to open up further business and then to cultivate it. In the main, the world over, the chemist is the man whose main occupation is selling drugs, dispensing prescriptions and supplying goods for sickrooms.—OTHO (20/3).

THE customary annual list of holders of Royal warrants appears in "The London Gazette" of January 3 (pp. 1-45).



## Mercury in New Zealand

SINCE we referred to the fact that Imperial Chemical Industries, Ltd., was exploiting the cinnabar deposits in North Auckland (*C. & D.*, June 23, 1928, p. 789) practically nothing has been allowed to transpire as to the company's activities until now. The veil, however, has been partially lifted by a party of Auckland business men touring with the "commerce train" in the Far North of New Zealand. When they reached Kaikohe opportunity was taken to visit the Ngawha mercury springs, which are located on native land in the centre of the cinnabar country. These springs are quite well known throughout the North, and, although undeveloped, have been made good use of by sufferers from rheumatic troubles. In order to visit the springs the visitors had to pass the site of the new works of the I.C.I., where a large body of men is busily engaged in the erection of buildings and machinery for the early exploitation of the field.

### THE BARRED GATE

Judging from accounts sent to us by our New Zealand correspondent, before making the descent to the springs the party halted at a gate above which was a formidable notice, while a sentry, representing the company, smilingly drew attention to the board and waved the traffic on, much to the disappointment of those who knew of the existence of the works and were anxious to inspect them. The barred gate naturally whetted speculation about the company's activities, and the city men were at a loss to understand what harm could come out of an inspection of so interesting a group of buildings as those dominating the field. From the springs, a third of a mile away, the visitors saw first a long, low, brick construction, which appeared to be a wall buttressed at one end by a massive chimney. The "wall," it was explained by one who claimed to be "in the know," is a flue culminating in a chimney for carrying away fumes given off by the treated cinnabar. Also on the top of the hill rises an iron-and-timber building, not unlike a sawmill. Here the cinnabar is received after haulage from the field immediately below and passed into the retorts. On the deposit itself, which lies exposed for the most part, or covered by a light overburden, a dozen workers were occupied in assembling a large steel grab not unlike a steam navy, but on a much greater scale. Nearby was what appeared to be a steam winding gear for operating the scoop. Of loose formation, the cinnabar presented no difficulty in handling; blasting is not required, and removal costs will be very small. The company have acquired 800 acres and borings have been made here and there, and everywhere, the results of which have been most encouraging. The general impression in Kaikohe is that the promoters have come upon something even more valuable than they had hoped, hence the disinclination to tell the world. A little village is springing up within the guarded bounds. On one side of the works stand neat bungalows for the engineers and management staff, and not far distant are grouped trim houses for the employees. It is freely rumoured that expenditure on the works has already topped the six-figure mark. It is said that the deposit is the only one of its extent in the entire British Empire, or at least it is the only area which can be worked with prospect of profit.

### PREVIOUS ATTEMPTS UNSUCCESSFUL

This is not the first attempt to win mercury from Ngawha. Some years ago a company, operating under the style of New Zealand Quicksilver Mines, Ltd., worked the deposit, but could not make a success of it, because, it is said, most of the profits went up the flue on account of unsuitable methods.

The four acres held by the Maoris and bubbling with healing waters are understood to contain the richest part of the whole field. The Maoris parted with a large tract of ore at a bargain price to the original purchasers, and do not feel disposed to enter into further negotiations over what they still retain. There is some

talk of the company opening its own medicinal springs at some date when the mining has properly got under way. All over the North people are wishing the company every success, despite the aura of secrecy shielding the whole concern. If the aspirations of Kaikohe Development, Ltd., otherwise Imperial Chemical Industries, Ltd., are realised the successful exploitation of the field can only be for the good of New Zealand and the British Empire in general.

## Tung Oil from Kenya

TRIALS have been carried out in a number of British countries with species of *Aleurites* which yield the tung oil (Chinese wood oil) of commerce. In Kenya, trials have been made with *A. Fordii* from Hankow and *A. montana* from Hong-kong, and the results have been more promising than those obtained in other parts of the Empire. A report of the experiments appears in the "Bulletin of the Imperial Institute," No. 1, 1929. Seeds of *A. Fordii* were sown in August 1922 at an altitude of 5,500 feet. Germination was very poor, but in May 1924 the plants were three to five feet high, and in a healthy condition. Other seeds were sown at 8,000 feet altitude, but these were a failure. All the trees were attacked by an *Aspidiotus* scale which killed a number of shoots and some entire plants before it was eradicated. The experiments were not a success except at Nairobi at an altitude of 5,600 feet, and even there showed great differences in development, some being ten feet high, and others only eighteen inches (1928). It is proposed to make further trials using the locally produced seeds at lower altitudes and under warmer conditions. The *A. montana* seed germinated even more slowly, and the plants which did survive were not a success. The fruits and seeds of *A. Fordii* received from Kenya by the Imperial Institute were very similar to those from China. The average weight of a single fruit was 28 gm., of a seed 3.6 gm., and of a kernel 2.3 gm. The corresponding figures in the case of a sample from China were 27.3 gm., 3.0 gm. and 2.2 gm. respectively. The seeds were composed of shell 37.9 per cent. and kernel 62.1 per cent., as compared with 41 per cent. and 59 per cent. respectively in the case of the parent seeds from China. The kernels contained 4.9 per cent. of moisture, and on extraction with light petroleum furnished 60.4 per cent. of oil. The kernels of the original China seeds yielded 59.0 per cent. of oil, expressed on the moisture-free material. The oil was pale yellow, rather viscous, and had a slight characteristic odour. On examination it furnished the following constants, which are compared with those given by the oil derived from the seeds from China and with a sample of oil from China:—

Constant	Kenya sample	Oil from Chinese seeds	Oil from China
Specific gravity .. ..	0.9433	0.9405	0.9414
Acid value .. ..	0.52	0.63	0.43
Saponification value .. ..	192.7	193.5	195.3
Iodine value (per cent.) ..	172.8	174.8	172.0
Unsaponifiable matter (per cent.)	0.4	0.3	0.4
Refractive index .. ..	1.512	1.513	1.513

These results agree closely, and the Kenya oil should be saleable in the United Kingdom at a price similar to that of wood oil from Hankow. The conclusions are that the seeds produced in Kenya, from seeds of Chinese origin, closely resemble the latter, and give a similar or slightly higher yield of oil of the same character.

**OLIVE TREES FOR EGYPT.**—Following the investigation of a special committee the Egyptian Government is now importing numerous olive trees from Tunis for cultivation. The Egyptian soil has been found especially suitable for olive growing.

**NEW USE FOR COOKING-SHERRY.**—Dr. S. E. Denyer, of Hull, has written to "The British Medical Journal" stating that for ordinary colds he uses a small quantity of quinine sulphate taken twice or three times a day in cooking-sherry. A good sherry is not nearly so effectual, he adds.



## Trade Report

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling, packing, etc. Qualities of chemicals, drugs, essential and fixed oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities.

42 Cannon Street, E.C.4, January 9

BUSINESS has not yet been fully resumed in the Mincing Lane produce markets—in fact, the New Year has opened very quietly as stocktaking operations are not yet concluded. Apart from this, there is a general decline in values which has made people chary in placing orders, and the immediate prospects point to lower prices in a number of commodities. It would seem that the general buying capacity of the country has diminished, and this may be partly due to a larger expenditure of income on what may be termed "luxuries." The financial situation since the opening of the year, however, has distinctly improved, helped by the continued influx of gold at the Bank; and the steady downward trend of money has aroused more optimistic hopes as to the shaping of industrial affairs. Comparatively cheap money seems fairly well assured from now onward, and this should help to improve trade. In the produce markets there has been a freer call for British refined sugar, chiefly home-granulated at the recent advance, and the market is still confronted with liberal supplies of preferential sugar, the demand for which is prejudiced by the shadow of the Budget. There has been some further weakness in pepper which, however, has steadied at the decline. Under heavy shipments and again largely increased stocks, plantation rubber dropped to new low records due to a slow demand. Shellac was at first higher, but gave way a good deal latterly in an unsettled market. Business in crude drugs will not be fully resumed until the auctions next week, and privately, there are no changes in price. Kordofan acacia has advanced about 20 per cent. from the recent decline, but prices are unstable and very sensitive. Among the essential oils, further reductions are noted in Sicilian lemon, orange, and bergamot, due to heavy crops of fruits and lack of foreign demand. Clove oil is lower. Business in pharmaceutical chemicals has been somewhat poor since the opening of the year, with no further important price changes; the advanced prices in amidopyrin, phenacetin and phenazone notified last week have been maintained. Some of the opium derivatives show a further advance, these including apomorphine, cotarnine, narceine, narcotine and salts. Lithium carbonate is much higher, following the reimposition of the key industry duty on imports. Hydrogen peroxide is lower. Among the industrial chemicals business has been good in some quarters but not in others. Acetate products are moving well; barium chloride is slightly easier, and formaldehyde has been in better inquiry at competitive rates; oxalic acid has been quite active. Coal tar products are unchanged throughout the list. Among the fixed oils, English castor is cheaper; groundnut and palm kernel are easier. Palm, Hankow wood and olive oils are lower. Turpentine is dearer, linseed about level on the week, and acid oils firm.

Higher	Firmer	Easier	Lower
Apomorphine	Angelica oil	Barium chloride	Bergamot oil
Cocoa butter	Anise star oil	Castor oil	Castor oil
(Amst. auctn)	(leads)	Ground nut oil	Ginger (W. Afr.)
Cotarnine	Cassia oil	Menthol	c.i.f.
Lithium carbonate		Olive oil	Hydrogen peroxide
Narceine		Palm kernel oil	Lemon oil
Narcotine and salts			Orange oil
Turpentine			Palm oils
			Pepper
			Rubber
			Shellac
			Wood oil

The first Drug Auction of the year will be held next Thursday, January 16.

### London Drug Auctions, 1930

THE following are the dates on which the bi-monthly auction will be held:—January 16, March 20, May 22, July 24, September 25, November 27.

## Crude Drugs, etc.

ALMOND OIL.—Sweet (B.P.) is quoted by English pressers at 2s. 7d. down to 2s. 5d. per lb. for quantity. English peach kernel is 1s. 2d. to 1s. 3d. per lb. as to quantity.

ANTIMONY.—Chinese refined has been dull and quotations are a little easier for warehouse lots at about £31 5s. to £31 10s. Terms for shipment have been shaded to about £27 10s. English refined high-grade stands at £52 to £52 10s., and good brands are obtainable down to about £45. Chinese crude on the spot, basis 70 per cent., is worth about £26. Chinese white oxide is quoted at £24 10s.

BALSAMS.—Tolu is quoted at 3s. 11d. to 4s. per lb. on the spot. Peru is 6s. 9d. to 7s., and Canada 4s. 9d. to 5s. per lb.

CADMIUM.—There has been rather more inquiry and the market has been well maintained. For fair-sized lots on the spot prices range from 3s. 11d. to 4s. per lb. Current supplies, although ample, are being well absorbed.

CASCARA SAGRADA.—Arrival prices remain quiet firm at from 53s. to 59s. per cwt. c.i.f.

According to the London drug statistics, the landings in London during December were 12 tons and the deliveries 2 tons, leaving a disclosed stock of 135 tons against 293 tons last year; the landings from January 1 to December 31, 1929, have been 20 tons against 110 tons in 1928, and the deliveries for the year 1929, 178 tons against 139 tons in 1928.

CINCHONA.—An auction of 92 bales West African bark from S. Thome was held on Wednesday and disposed of, comprising bold red quill and broken at 9½d. to 10d. and chips at 9d. to 9½d. per lb.

CLOVES.—Zanzibar are quiet with spot sellers at 10½d. per lb. To arrive, December-February is quoted at 9½d. c.i.f. and January-March shipment at 9d. per lb. c.i.f.

The landings of Zanzibar in London during the week ending January 4 were 355 and the deliveries 140, leaving a stock of 1,213, against 2,529 in 1928 and 11,664 bales in 1927.

COCOA BUTTER.—At the Amsterdam auction on January 7, 200 tons Van Houten's offered; average price paid was 70.04 cents per half-kilo, against 69.56 c. in December. The London spot price of prime English is 1s. 2½d. to 1s. 3d., C.F.R. 1s. 2½d., and Van Houten's A 1s. 3d. per lb.

COD LIVER OIL.—The market has not yet opened, and prices are without material change at from 103s. to 108s. per barrel c.i.f. The exports of medicinal oil from Norway during 1929 were 134,500 hectolitres against 80,000 hectolitres for 1928.

CORN PRODUCTS, ETC.—Guaranteed water-white English glucose (corn syrup) is 22s. per cwt. for January-March delivery; American is 22s. ex store, London. Dutch maize starch powder (cornflour) is 15s. 6d. per cwt. on the spot; American up to the end of March is 15s. 3d. per cwt. ex store, London. Pearl starch for delivery up to the end of March is 14s. 9d. per cwt. ex store, London. Dutch maize starch crystals is 21s. on the spot, and American up to the end of March is 16s. per cwt. ex store, London. Dutch dextrin is quoted at 21s. to 25s. 6d. per cwt. on the spot as to quality. American canary for delivery up to the end of March is 19s. 4½d., and white 19s. 1½d. ex store, London. Dutch farina is 12s. per cwt. on the spot, and to arrive 10s. 3d. per cwt. f.o.b. is quoted.

DAMIANA LEAVES.—The spot value is about 8d. per lb., and on c.i.f. terms about 8½d. is quoted for shipment from New York, nothing offering for shipment from origin.

DRAGON'S BLOOD.—The arrival of 15 cases from Bombay noted last week prove to be Zanzibar drop.

GINGER is quiet, with sellers of West African at 67s. on the spot; to arrive, February-April shipment is quoted at 46s. c.i.f., being cheaper.

GUM ACACIA.—The arrival prices for new crop Kirdofan declined considerably towards the end of the year, but subsequently there was a rise in quotations of about 20 per cent. without any firm prices to consider. The consequence has been that practically nothing has been sold, with plenty of inquiry from dealers and consumers. At the time of closing for press, 70s. c.i.f. is the nominal price for new crop Kirdofan for January shipment, with buyers at 65s. c.i.f., but offers are not firm. The spot value of cleaned is 85s. per cwt. Talha has advanced to 30s. c.i.f.; a considerable business was done lately in new crop at from 29s. to 26s. 6d. c.i.f. according to position.

The landings in London of all descriptions during December were 540 packages and the deliveries 1,543; the stock on December 31, 1929, was 2,258 against 5,068 in 1928 and 7,679 in 1927; the landings during 1929 were 17,873 against 14,102 in 1928 and 15,811 in 1927, while the deliveries during 1929 were 20,804 against 16,913 in 1928 and 16,775 in 1927.

IPÊCACUANHA is quoted at 15s. 9d. per lb. for fair Matto Grosso. The landings in London during December 1929 were 81 Matto Grosso and the deliveries 9; the stock



of Matto Grosso on December 31 was 243, against 166 in 1928 and 237 in 1927; the landings of Matto Grosso for 1929 were 532, against 380 in 1928 and 354 in 1927, while the deliveries for 1929 were 445, against 451 in 1928 and 250 in 1927; the deliveries of Minas for the year 1929 were five only, and of Cartagena seven.

MENTHOL is nominal in the absence of business, 15s. per lb. being quoted for Kobayashi-Suzuki on the spot; to arrive, from 14s. to 14s. 3d. c.i.f. is quoted.

MERCURY is still feeling the effect of the restriction of inquiries within the last few weeks, but the undertone is, nevertheless, quite firm. There is only very little stock apparently available at this end and prices are well maintained. The agents of the Combine ask £22 7s. 6d. net on the spot for parcels of not less than ten bottles, while the f.o.b. price for forward shipment for quantities of upward of 50 bottles stands at £21 15s. per bottle. For large quantities of upward of 500 bottles there is a small discount allowed. In the open market a small retail trade has been going on and quotations are about £23 per bottle, less the usual discount.

PEPPER.—Prices improved towards the end of last week, but eased on Monday onwards. Singapore is now 1s. spot and January-March shipment is 10½d. c.i.f. Lampong is 11½d. spot; sales to arrive include January-March at 11½d. to 10½d., and March-May at 11½d. to 10½d. c.i.f. Tellicherry is 1s. 1½d. spot, and 10½s. c.i.f. was paid for January-March shipment. Alleppy is 1s. 1d. spot, and January-March shipment sold at 10½s. c.i.f. White Muntok is 1s. 5d. spot. Sales to arrive include January-March shipment at 1s. 4½d. to 1s. 3½d. to 1s. 3½d., and March-May at 1s. 4½d. to 1s. 3½d. to 1s. 3½d. c.i.f.

PIMENTO is steady at 10d. per lb. on the spot, and for January-March shipment 8½s. per cwt. c.i.f. is quoted.

RUBBER has slumped badly since our last, and prices all round show a decline of ½d. per lb. This setback is mainly due to the further heavy shipments from the East, and the lack of trade support both here and in America. There has been a considerable quantity liquidated, and whilst at the close the market was slightly steadier, there appears every indication of a further drop in the course of the next week or so. The arrivals this week were exceptionally heavy, and totalled 3,055 tons, whilst deliveries were only 699 tons, showing a further increase of 2,356 tons; the London stock now stands at 56,616 tons, against 21,953 tons at the corresponding period last year. The Liverpool stock is also again higher, being 19,438 tons. Quotations (Wednesday, 5 p.m.): No. 1 standard ribbed smoked sheet, spot and January, 7½d.; February, 7½d.; March, 7½d.; April-June, 7½d.; July-September, 8d. per lb.

SARSAPARILLA.—The landings in London during December were 22 bales and the deliveries 17, leaving a stock of 88 against 108. The landings to date (January 1 to December 31, 1929) have been 324 bales, against 319 in 1928, and the deliveries for the year 1929, 344, against 363 in 1928.

SENNA.—The landings in London During December were 960 and the deliveries 213, leaving a stock of 2,116, against 1,444 in 1928; the landings during the year 1929 have been 3,482, against 2,702, and the deliveries for 1929 were 2,782, against 3,166 in 1928.

SEEDS.—ANISE.—Spanish is 67s. 6d. and Russian is 31s. for five-ton lots, and 32s. for smaller quantities. CANARY.—Market remains quiet. Mazagan on spot is 28s. 6d., and for prompt shipment five-ton lots are offered at 26s. 6d. c.i.f. Tangier on spot is unchanged at 26s. 6d. and 26s. c.i.f. for January-February shipment. Morocco f.a.q. (4 per cent.) is firm at 26s. 6d. spot. The latest arrivals of Morocco f.a.q. (4 per cent.) is of very good quality. CUMIN.—Malta on spot is 70s., and the latest price quoted for February shipment is 64s. c.i.f. A letter received from Morocco states that the stocks out there are small and very little, if any, to come from the interior. The price now quoted for shipment is 57s. c.i.f., and spot 65s. per cwt. FENUGREEK is 19s. 6d. on spot, and for shipment 16s. 6d. c.i.f. is quoted. CORIANDER on spot is unchanged at 9s. 6d. For shipment 8s. 3d. c.i.f. has been paid for January shipment. FENNEL is 57s. 6d. spot, and the same price is still quoted for shipment. MUSTARD.—English is 27s. to 30s. per cwt., according to quality. CARAWAY.—Dutch on the spot is 38s. per cwt., and for prompt shipment 35s. 6d. c.i.f. is quoted.

SHELLAC.—The spot market for usual standard orange TN quality closed last week at 157s. 6d., but subsequently eased to 150s.; fine orange is 180s. to 270s., pure button 195s. to 200s., and AC cakey 190s. To arrive, TN for January-February shipment has been sold at 145s. c.i.f., but on Wednesday 134s. c.i.f. was quoted; February-March shipment has been sold at 134s. c.i.f. For delivery, the sales include March at 147s. to 154s. to 138s., and May at 149s. to 156s. to 139s. 6d. London landings for December amounted to 12,803 cases, being very heavy, which against

comparatively good deliveries of 5,754 cases, made an increase in the stocks of 7,049 cases to 25,804 cases.

STROPHANTHUS.—A fair business has recently been done, and stocks are now in small compass. Prices are quite nominal; new crop will arrive in the course of the next few weeks.

TRACACANTH.—The landings in London during December were 669 and the deliveries 500, leaving a stock on December 31, 1929, of 10,602, against 8,018 in 1928 and 7,661 in 1927. The landings during 1929 were 14,615, against 11,170 in 1928 and 19,038 in 1927; the deliveries for 1929 were 12,031 against 10,913 in 1928, and 14,516 in 1927.

WAX (VEGETABLE).—Japanese is quiet at 80s. per cwt. on the spot, and for shipment 69s. 6d. c.i.f. is quoted. Carnauba is quoted at 112s. spot for fatty grey; afloat at 108s., and December-January shipment at 102s. c.i.f. Chalky is 112s. spot, and December-January shipment 98s. c.i.f. Primera is 160s. spot and 145s. c.i.f. Mediana is 140s. spot and 140s. c.i.f.

### Essential Oils

BUSINESS in essential oils has not yet been resumed at normal activity since the holidays. Prices show a downward tendency, and Sicilian citrus oils are all lower. American peppermint and other American oils are fairly steady at previous prices. Geranium Algerian is firm. Star anise in leads on the spot is firm, and there are no offers for shipment. Cassia is rather firmer, but no business is passing.

ALMOND.—English distilled s.a.p. is quoted at 39s. per lb. spot.

ANGELICA OIL is firm, a small crop having caused prices to advance, and it is thought that the crop or roots and seeds will not be sufficient for ordinary requirements. Oil from roots is quoted at 100s. per lb. spot; from seeds, 85s. per lb.

ANISE (STAR).—The market is rather difficult and it is practically impossible to get offers for shipment. The price of spot supplies has advanced; leads are quoted on the spot at from 4s. 1½d. to 4s. 3d. per lb., and only a few tins are available.

BAY.—For 50-52 per cent. phenols 8s. per lb. spot is quoted, and for lower percentage, 42-45 per cent. phenols, 7s. 3d. per lb. spot.

BERGAMOT is still very dull and lower at 10s. 9d. to 11s. per lb. c.i.f., and on the spot at from 11s. 3d. to 13s. per lb. according to seller.

BOIS DE ROSE.—Cayenne is quoted at from 6s. 8d. to 6s. 9d. per lb. spot, and Brazilian at from 5s. to 5s. 3d. per lb. spot.

Attention has recently been called to the presence on the market, particularly in France, America, and also in Cayenne, of large quantities of Cayenne Bois de Rose oil of low quality. This low grade oil is stated to be a mixture of genuine Bois de Rose oil and another wood oil, which has almost the same rotatory power, but having, however, a higher specific gravity.

CAJUPUT is quoted at 2s. 10d. per lb. spot for bottles in cases.

CALAMUS.—Dutch is quoted at 14s. per lb. spot.

CANANGA.—Java is quoted at 11s. to 11s. 6d. per lb. spot and at 10s. 6d. per lb. in drums. The market is quiet.

CARAWAY.—Double-distilled foreign is quoted at from 7s. 3d. to 7s. 6d. per lb. spot according to quantity.

CASSIA is steady and firm at from 4s. 2d. to 4s. 3d. per lb. spot for 80-85 per cent. c.a., and to come forward for January-February shipment at 3s. 9d. to 3s. 10½d. per lb. c.i.f.

CEDARWOOD is unchanged at 1s. 3½d. per lb. spot in drums.

CITRONELLA.—Ceylon is quoted at from 2s. 2d. to 2s. 4½d. per lb. spot, according to quality and seller. Java, 85 per cent. geraniol, is quoted on the spot at from 2s. 9½d. to 2s. 10d. per lb. and at 2s. 8d. to 2s. 11d. per lb. c.i.f., according to quantity, for prompt shipment.

CLOVE.—English distilled clove oil is quoted at 7s. per lb. spot and at 6s. 9d. per lb. for quantity. Continental distilled is about 6s. per lb. spot.

DILL.—B.P. Continental, distilled from European seed is quoted at 14s. 6d. per lb. spot. Continental distilled extol. is quoted at 9s. 6d. per lb. spot.

EUCALYPTUS.—A fair amount has been arriving lately. 70-75 per cent. cineol is quoted at 1s. 7d. to 1s. 8d. per lb. spot, 75-80 per cent. at 1s. 9d. per lb., and 80-85 per cent. at 1s. 10d. per lb.

GERANIUM.—Algerian is rather firm and is quoted at from 19s. to 19s. 6d. per lb. spot and at from 19s. per lb. c.i.f. Bourbon is quoted at from 17s. 6d. to 18s. 6d. per lb. spot, according to seller, and at from 16s. per lb. c.i.f.

JUNIPER BERRY is quoted at 5s. 6d. per lb. spot for B.P.

LAVERNE continues quiet. French 38-40 per cent. l.a. is quoted at 14s. to 14s. 6d. per lb., spot or forward, though some is offered at 12s. 6d. per lb. spot.

LEMON.—The tendency is again downwards, c.i.f. prices of Sicilian showing a wide range in both qualities. Spot is quoted at 7s. 10½d. per lb. for machine-made and 8s. 9d.



for sponge-pressed. On c.i.f. terms machine-made is quoted at from 5s. 9d. to 7s. 3d., and sponge-pressed at from 7s. to 8s. c.i.f., according to brand. All prices, however, seem to be a matter of negotiation for Sicilian oil. Distilled Californian of regular quality is quoted at 4s. 7½d. per lb. in drums, ex wharf London, with lower prices for quantity.

MANDARIN is quoted on the spot at from 17s. 6d. to 18s. per lb., and to come forward at from 16s. to 18s. per lb. c.i.f., according to seller.

ORANGE.—Sicilian is lower with sweet offering on spot at from 10s. 6d. to 10s. 9d. per lb., and to arrive at from 9s. to 10s. per lb. c.i.f. for January-February shipment. Bitter is 10s. 6d. to 11s. 3d. per lb. spot and 9s. 3d. to 10s. per lb. c.i.f. Californian in cases is quoted at 7s. 4d. per lb. ex-wharf, and at 7s. 1½d. per lb. in drums, with lower prices for quantity.

PEPPERMINT.—American natural tin oil is unchanged at 14s. 6d. per lb. spot and at 13s. 6d. to 14s. 3d. per lb. c.i.f. for shipment, according to brand. Japanese dementholised is quoted at 5s. per lb. spot for Kobayashi-Suzuki, and to come forward at 4s. 9d. per lb. c.i.f. January-March shipment, with five brands offering at 4s. 7½d. per lb. H.G.H. is quoted at 19s. 6d. per lb. spot.

PETITGRAIN.—Paraguay is slightly easier at from 7s. 1d. to 7s. 5d. spot, according to seller, and at 6s. 10d. c.i.f.

SASSAFRAS.—American natural oil is quoted at 5s. 3d. per lb. c.i.f.

SPEARMINT is quoted on the spot at from 20s. to 20s. 6d.

VETIVER.—Bourbon is quoted on the spot at 17s. per lb., and has been offered at 16s. per lb. c.i.f.

It has been noted that in the course of buying this oil in Bourbon during 1929 that parcels of Bourbon vetiver oil have appeared on the market the optical rotation of the oil being lower than +18°. It is stated that this decrease in optical rotation corresponds to a decrease in the vetiverol content and to a corresponding decrease in the quality and value of the oil. Parcels of oil, the optical rotation of which is lower than +18° are now being refused, but some quantity of this oil of low quality has already been absorbed by less exacting buyers.

WORMSEED (CHENOPODIUM) is quoted on the spot at from 14s. 6d. to 15s. per lb., and at 15s. 6d. to 15s. 9d. per lb. c.i.f.

The following arrivals have taken place from the countries indicated during the period January 1 to January 7 (inclusive): Anise (H.-K.) 20 cs.; cananga (Java) 1 dm.; cinnamon (Fr.) 3 dm.; clove (Fr.) 5 cks. 1 dm.; gingergrass (Br. Ind.) 4 cs.; juniper (Ger.) 2 cs.; lavender (Fr.) 1 cs.; lemon (B.W.I.) 2 cs., (It.) 35 cs.; lime (B.W.I.) 9 cs., (Br. Gui.) 3 cs., (Trin.) 2 cs.; orange (Ger.) 1 cs., (Jam.) 10 cs., (B.W.I.) 47 cs., (U.S.) 24 cs.; patchouli (U.S.) 1 dm.; peppermint (Jap.) 111 cs.; pimento (Jam.) 10 cs.; undescribed (Fr.) 9 cs.

### Pharmaceutical Chemicals, etc.

SINCE the New Year conditions in the pharmaceutical chemical markets have been generally steady. Last week advances in prices for amidopyrin, phenacetin and phenazone were recorded, and these are maintained. Hydrogen peroxide is lower. Otherwise, conditions are unchanged with business rather poor.

ACETANILIDE is steady but slow, with B.P. crystals and powder quoted at 1s. 4½d. to 1s. 6d. per lb.

ALOIN remains firm at from 9s. 3d. to 9s. 6d. per lb.

AMIDOPYRIN continues at the much advanced prices recorded last week; the market is steady; half-ton lots, 12s. 6½d.; two-cwt., 13s. 6½d.; and less than two-cwt., 13s. 3½d. per lb.

APOMORPHINE shows an advance of 9s. 9d. per oz., makers now quoting 66s. per oz.

ASPIRIN is steady with about average business being booked; quoted at from 2s. 9d. to 2s. 11d. per lb.

BARBITONE remains slow, but prices are quite steady; spot, five-cwt., 7s. 3d.; two-cwt., 7s. 6d.; up to 8s. per lb. for small parcels.

BENZOIC ACID (B.P.) is not meeting with much inquiry; quantities, ex works, 2s. 0½d. to 2s. 1d.; spot parcels, 2s. 1½d. to 2s. 2d. per lb.

BENZONAPHTHOL is quoted by dealers at about 3s. 4d. to 3s. 6d. per lb.

BETANAPHTHOL is quiet, with resublimed offering at about 2s. 10d. to 3s. per lb.

BROMIDES.—There is nothing of importance to record; business has been on a very limited scale so far, while prices are generally unchanged with the tone fairly healthy. Dealers quote ammonium, 1s. 10d.; potassium, B.P. crystals, 1s. 5½d.; granular, 1s. 5½d.; sodium, B.P., about 1s. 9d., and slightly less for ton lots. British makers' list prices are unchanged; ammonium, 1s. 11d.; potassium, B.P., crystals, 1s. 6½d.; granular, 1s. 6½d.; sodium, B.P., about 1s. 9½d. per lb., in cwt. lots, with prices for large quantities about one penny less.

CAFFEINE is firm at 8s. to 8s. 3d. per lb. for the pure crystals, and at 6s. 3d. to 6s. 6d. for the citrate

CALCIUM LACTATE is unchanged on a slow market at 1s. 2d. to 1s. 3½d. per lb. as to quantity.

CHLORAL HYDRATE.—Home makers' lead the market with their prices at 3s. 1d. to 3s. 3d. per lb.; foreign to come forward, 3s. 6d. per lb., for duty-paid crystals.

CHRYSAROBIN is quoted by makers at 12s. per lb.

CITRIC ACID (B.P. crystals).—The market is not showing much life, and the tone continues rather weak; foreign on spot is being cleared at about 1s. 11d. per lb., less 5 per cent. for quantities, while the quotation for Italian to arrive is 1s. 11½d. less 5 per cent., c.i.f. British made is offering at 1s. 11d. per lb., less 5 per cent.

COCAINE.—Hydrochloride is unchanged at 18s. 7d. in 25-oz. tins, and 18s. 11d. in 16-oz. lots; the pure alkaloid is 20s. 7d. in 25-oz. tins and 20s. 11d. in 16-oz. lots.

CODEINE AND SALTS.—Makers' prices are unchanged at the rates quoted in our issue of December 21 (p. 761).

COTARNINE.—Hydrochloride and phthalate have been advanced by a further 2s. 9d. per oz., makers quoting 14s. 9d. per oz.

CREAM OF TARTAR remains slow of sale, with foreign 99-100 per cent. powder (B.P.) offering on spot from 100s. to 102s. 6d. per cwt., less 2½ per cent. for quantities.

CREOSOTE (B.P.) is steady but quiet; quantities, 1s. 8d.; smaller lots, 1s. 9d. per lb.

CREOSOTE CARBONATE is offering on spot at about 5s. 8d. to 6s. per lb., with the market dull.

GUAIACOL CARBONATE is unchanged and quiet at 4s. 6d. to 4s. 10d. per lb.

HEXAMINE has been rather more active, with controlled prices steady at 2s. 2½d. to 2s. 4d. per lb., as to quantity.

HYDROGEN PEROXIDE.—Makers have reduced their prices and now quote medicinal (10 vol.) at 1s. 1½d. per gallon in single carboys; 20 vol., 2s. 3d.; 30 per cent. by weight (100 vol.), 11d. per lb.

HYDROQUINONE is offered at the agreed prices of 3s. 7½d. to 3s. 11d. per lb., as to quantity, the lower price for large quantities.

LITHIUM CARBONATE is much dearer on account of the re-introduction of key industry duty on imports; dealers' prices are now about 5s. 8d. to 5s. 11d. per lb.

METHYL SALICYLATE (B.P.) continues unchanged on a steady market at 1s. 6d. to 1s. 8d. per lb. as to quantity.

METHYL SULPHONAL is dull, but spot prices are steady at 12s. 7d. to 13s. 10d. per lb., as to quantity.

MORPHINE AND SALTS.—Makers' prices are unchanged at the advance announced in our issue of Dec. 21 (p. 761).

NARCEINE.—Both the crystals and the hydrochloride have been advanced 3s. 1d. per oz. by the makers to 20s. 5d. per oz.

NARCOTINE AND SALTS are 1s. 6d. per oz. higher, makers quoting the alkaloidal crystals and hydrochloride and sulphate at 7s. 8d. per oz.

PARAFORMALDEHYDE remains quiet, with prices for 100 per cent. powder at 1s. 7d. for quantities in kegs and 1s. 8d. per lb. for smaller lots.

PARALDEHYDE, according to quantity and packing, is offered at 1s. 1d. to 1s. 4d. per lb.; market is quiet.

PHENACETIN is maintained at the advanced prices recorded last week; spot, two cwt., 3s. 10d.; less than two cwt., 3s. 11d. per lb.

PHENAZONE is holding steady at last week's higher values; two cwt., 7s. 2d.; less than two cwt., 7s. 3½d.

PHENOLPHTHALEIN continues at the old controlled prices of 5s. 11d. to 6s. 1½d. per lb., as to quantity.

POTASSIUM PERMANGANATE (B.P.) is steady with druggists' parcels at about 6d. per lb.; large quantities in drums, 5½d.

POTASSIUM SULPHOGUAIACOLATE is dull of sale; dealers offer at about 3s. 6d. per lb.

RESORCIN continues at the controlled prices of 2s. 11d. to 3s. 2d. per lb., as to quantity, with crystals 1d. more.

SALICYLIC ACID is quoted steadily by home makers at 1s. 5d. to 1s. 7d. per lb., as to quantity, for B.P. powder or crystals; technical acid is 1s. to 1s. 2d.

SALOL is unchanged at from 3s. 7½d. to 3s. 10d. per lb., as to quantity.

SODIUM DIETHYLBARBITURATE is not meeting with much inquiry; spot, about 10s. per lb.; f.o.b. Continent, five cwt., 9s. 7½d.; smaller lots, up to 10s. per lb.

STRYCHNINE.—The pure alkaloid crystals is quoted by makers at 2s. 4d., and precipitated at 2s. 3d.; hydrochloride is 2s. per oz.

SULPHONAL is unchanged on a quiet spot market at 10s. 1d. to 11s. 2d. per lb., as to quantity, with powder 1d. more.

TANNIC ACID (B.P. *leviss*) remains quiet but steady; quantities, 2s. 9d.; smaller lots, up to 3s. 2d. per lb.

TARTARIC ACID (B.P. crystals).—There is still but unimportant business moving, and the tone remains rather weak. Foreign on spot is about 1s. 3½d. per lb., less 5 per cent., with English offering at 1s. 3½d.



THYMOL is steady but quiet; synthetic fine white, two cwt., 8s. 3d.; one cwt., 8s. 6d.; 56 lb., 9s. per lb.

VANILLIN is dull and continues competitive; ex clove oil, about 14s. per lb., in cwt. lots and less for quantities with ex guaiacol at keen prices.

### Industrial Chemicals, etc.

London, January 8.

In some respects business has been quite good during the past week, while in other directions there has been little doing. The tone throughout keeps steady.

ACETIC ACID meets with a good volume of business: 80 per cent. technical, £36 15s.; 80 per cent. pure, £37 per ton in barrels; glacial, pharmaceutical, 99 to 100 per cent., £66 in glass demijohns; glacial, in barrels, £56 per ton ex store.

ACETONE.—The reduced prices notified last week continue in force; market is quite busy: B.G.S., less than one ton, £80; one ton, £76; one to five tons, £73 10s.; five to fifteen tons, £71 10s. per ton in drums, ex store.

AMMONIA (ANHYDROUS) is receiving fair attention, with prices steady: 99.95 per cent. in loaned cylinders, 10d. to 1s. per lb. carriage paid; slightly less for big contracts.

ARSENIC.—There has been only little inquiry and agents of Cornish mines quote £15 15s. per ton upward f.o.r. mines.

BARIUM CHLORIDE is slightly cheaper, with 98 to 100 per cent. prime white crystals at £11 to £11 5s. per ton in casks, ex store; the market has been dull.

CAUSTIC POTASH.—There is no change to report in Convention prices; business has been a little better of late: 88 to 92 per cent. solid, less than one ton, £34 10s.; one to five tons, £31; five to fifteen tons, £29 10s. per ton in drums, ex store; c.i.f., 30s. per ton less in all cases.

COPPER SULPHATE.—Demand has remained slow for export and the tone is firm, in sympathy with another sharp advance in the cost of rough bar copper. British associated makers quote about £27 per ton f.o.b. for casks, less 5 per cent.

FORMALDEHYDE has been in better inquiry, while prices continue competitive: 40 per cent. by volume, about £34 per ton in casks, ex store; slightly less for large quantities on contract.

ISOPROPYL ALCOHOL is steady, with reliable make offered at about 11s. to 12s. per gallon in drums, carriage paid; business is fair.

LEAD PRODUCTS.—Lead acetate is dull: spot, brown, £39; white, £40 10s. per ton in casks, ex store; Convention prices for red lead are holding at about £36 10s., and white lead at £48 to £59 per ton, with rebates for quantities.

LITHOPONE has been fairly active and dealers' prices for 30 per cent. Continental red seal are steady at from £19 10s. per ton in casks, ex store; slightly less for contracts.

OXALIC ACID has been quite active and prices are well maintained: quantities, £32 per ton ex wharf; smaller spot lots, 32s. 6d. to 33s. per cwt. ex store.

POTASSIUM BICHROMATE is very steady at the controlled price of 4½d. per lb., with a slight rebate for large quantities.

POTASSIUM CARBONATE is steady and business is fair: 90 to 92 per cent., £25 10s. to £24; 96 to 98 per cent., £25 10s. to £26 per ton in casks, ex store; slightly less for contracts.

POTASSIUM CHLORATE is very dull: quantities to arrive, from 2½d. per lb. ex wharf; spot parcels, from 3d.

POTASSIUM PERMANGANATE is steady and there has been a little more business moving: quantities in two-cwt. drums, 5d.; smaller parcels, 5½d. per lb. ex store.

POTASSIUM PRUSSIAN is steady, and dealers report fairly good business: quantities, £63 10s. to £65 10s.; single casks, 7d.; smaller parcels, 7½d. per lb. ex store.

SODIUM ACETATE has met with occasional inquiry at £20 15s. per ton in casks, ex store.

SODIUM BICHROMATE on contract for the new year is 3½d.

SODIUM HYPOSULPHITE shows no change, with the market steady: dealers quote pea crystals in one-cwt. kegs at £15 and commercial quality at £9 10s. per ton in casks, ex store. British makers' price for pea crystals to home consumers on contract, £15 per ton, carriage paid to buyer's station.

SODIUM PRUSSIAN meets with a moderate business: quantities, 4½d. to 5d.; smaller parcels, from 5½d. per lb. ex store.

SULPHUR is steady and in fair demand: American crude is £5 12s. 6d. to £5 17s. 6d.; Sicilian flowers, £12 5s.; refined ground, £11; and roll £9 15s., all c.i.f. to arrive.

ZINC OXIDE is quoted at keen prices by home makers: B.P., £42; white seal, £39; red seal, £36 per ton, carriage paid, for fair quantities.

COAL-TAR PRODUCTS, ETC.—Since the New Year business in this section has been quiet and prices are unchanged throughout. ANILINE OIL continues unchanged at 8½d. per lb.; carriage paid, packages extra. ANILINE SALT is unchanged at 8½d. per lb. carriage paid, packages extra. BETANAPHTHOL continues steady at 9½d. per lb., carriage paid. CARBOLIC ACID (39° to 40° C. ice crystals).—Makers

are quoting for contract business at 7d. to 7½d. per lb., carriage paid. Most consumers are desirous of looking ahead as far as they can, makers being prepared to book business up to the end of June: crude carbolie 60's, 2s. 5d. to 2s. 7d. per gallon naked at works. CRESYLIC ACID continues unsteady and dull: pale 97 to 99 per cent., 2s. 2d. to 2s. 4d.; refined, 2s. 8d. to 2s. 11d.; dark 95 per cent., 1s. 9d. to 1s. 11d. per gallon naked at works. NAPHTHALENE is unchanged on a quiet market: flakes and balls, £14 15s. to £15 per ton in cases, ex wharf. METHYL ALCOHOL on spot is offering at about £42 per ton in drums; cheaper prices for quantities to arrive. PYRIDINE continues nominal and lifeless at 4s. to 4s. 6d. per gallon f.o.b. TOLUOL is in fair demand, with the market steady: commercial 90's, 1s. 10d.; pure, 2s. 2d. per gallon ex works. XYLOL is unchanged and dull: commercial, 1s. 10d.; pure, about 2s. per gallon, ex works. PITCH is unchanged at the controlled price of 47s. 6d. per ton f.o.b. East Coast.

### Fixed Oils, etc.

ONE or two markets show improvement, such as acid oils and coconut oils. American turpentine is also higher, while linseed oil is about level on the week. Palm oils are slightly easier, closing steady. ACID OILS.—Prices are well held and the market is firm: coconut and/or palm kernel, 32s. 6d.; ground nut, 30s.; soya, 28s. 6d. spot. CASTOR is dull and easier: pharmaceutical, 48s.; first pressings, 43s.; second pressings, 40s. per cwt. spot in barrels, in not less than one-ton lots. COCONUT is steady and unchanged: deodorised, spot, 41s.; Ceylon, 33s. 6d. c.i.f. Cochin is not quoted. COTTON is slow but unchanged: deodorised, 38s. 6d.; common edible, 35s. 6d.; soap-making, 34s. 3d.; crude, 31s. 6d. spot. GROUND NUT is dull and slightly easier: deodorised, spot, 41s. 6d.; crude Oriental, 37s. 6d. c.i.f. PALM KERNEL is dull and slightly easier: deodorised, 40s. 3d.; crude, 34s. 3d. spot. PALM.—Lower prices for all grades are quoted, with the market now fairly steady but still quiet: Lagos, 32s. 9d.; softs, 31s. 9d.; mediums, 32s.; hards, 33s.; bleached, 34s. 6d.; spot. RAPE.—Prices are unchanged and quiet: refined, 45s.; crude, 43s. 6d. spot. SOYA is steady but quiet: deodorised, 38s. 6d.; crude, 36s. 6d. spot. LINSEED (raw, naked).—The market is about level on the week with the tone fairly good: on spot, 45s.; January, 41s. 1½d.; February-April, 39s. 6d.; May-August, 38s. 6d. Boiled oil on spot, 48s. 6d. TURPENTINE.—The tone has been much stronger since the turn of the year, due to a sharp falling off in American receipts. Spot closes at 43s. 9d. London deliveries for last week were 1,948 barrels, which, after making allowance for the turn of the year, means only 1,333 barrels since January 1. Stocks were returned at 30,551 barrels, against 34,061 barrels a year previous. Including the landings and afloats, the London visible supply is 41,901 barrels, which compares with 37,386 barrels a year ago. RESIN.—Prices advanced all round for the same reason as turpentine. C.i.f. terms for American were as follows: B 16s. 9d., D/E 17s. 4½d. to 17s. 6d., F 17s. 9d., G/I 17s. 10½d., K/N 18s. 3d. to 18s. 6d., W/G 19s. 4½d., and W/W 20s. 6d. French grades are also dearer but quiet, with W/W quoted at 18s. 10½d. c.i.f. London. WOOD.—Hankow in barrels on spot is lower on a dull market at 68s. per cwt. OLIVE is easier: French (B.P.) is 4s. 4d., with 5s. 6d. per gallon ex wharf; Italian edible, 6s. 6d. per gallon.

LUBRICATING, MINERAL, BURNING OILS, ETC.—Quiet markets are reported since the New Year, while the tone is steady throughout. There is no change of importance in prices. BENZOL is quiet and steady: standard motor 90's, 1s. 6d. per gallon ex works, in tank wagons; ex London works, 1s. 7½d. FUEL OIL continues quiet and steady: 950 gravity, £3 5s.; 890 gravity, £3 17s. 6d. per ton ex tank; cheaper forward. PARAFFIN OILS are unchanged, with the market firm: American standard white, 1s.; water-white, 1s. 1d. per gallon, barrels free, ex wharf. PARAFFIN WAX and SCALE.—Wax continues quiet from 2d. to 5d. per lb., according to melting point, in bags; scale for shipment is quoted at about £16 per ton c.i.f. U.K. port. WHITE OILS continue quiet, with the market steady: special No. 1, £25 10s.; No. 1, £24 10s.; No. 3 half-white, £21 15s.; No. 4 half-white, £20 per ton, drums and barrels free, ex wharf. SOLVENT NAPHTHAS continue steady but slow of sale: 90 to 160, 1s. 2d.; heavy 90 to 190, 1s. per gallon, naked at works. PETROLEUM JELLIES continue steady, with supplies limited: white to snow-white, £36 10s. to £46 10s.; amber and yellow, £18 10s. to £22; dark stiff green, £12 7s. 6d. per ton, barrels free, ex wharf. LUBRICATING OILS are dull, with prices unchanged generally: spot, pales, £9 12s. 6d. to £21; reds, £11 to £21; dark cylinders, £13 10s. to £33 10s.; filtered cylinders, £23 to £42 per ton, less 2½ per cent. SOLUBLE OIL and CUTTING COMPOUNDS are unchanged and steady at £20 to £28 per ton net. No. 1 RUSSIAN OIL on spot is offered at £14 10s. per ton, less 2½ per cent., barrels free, ex wharf.





Letters for this section should be written on one side of the paper only. Correspondents may adopt an assumed name for purposes of publication, but must in all cases furnish their real name and address to the Editor.

### A Motto Competition

SIR,—As one not responsible for the selection of the winning mottoes in the recent R.P.U. competition, perhaps I may be allowed to explain why they were chosen—for the benefit of "Audax" (30/12), and possibly others. (1) "The door to health." Very good indeed. Intended to be written in white letters on a black ground and fixed inside the door so that customers could read it as they went out. "Audax" suggests that the motto is only suitable for a cheap patent medicine. If that is the idea, let us write it this way: "The door to whealth," and put it outside the door. (2) "We must take pains." The "proof of the pudding," obviously. It had been observed at innumerable R.P.U. meetings to consider the advantages (?) of the N.H.I. Acts that all the chemists present looked as if they had already taken all the pains they could get hold of. (3) "Tell your chemist about it." Now the R.P.U. knows full well that no chemist—sorry: pharmacist—is fully occupied, so, by persuading your customer to "tell you all about it" it will give you an illusory idea of being a very busy man. When some of my customers start telling me all about it I pay periodical trips to the back of the dispensing counter to give them the idea that I am a busy man. Believe me, some of them take some shifting. (4) "We dispense with knowledge—you cannot." I agree with "Audax" that this is the smartest of the whole lot—but not, I am afraid, from the "Audax" point of view. I notice that there is no comma after "dispense," and so a literal interpretation of the motto is, "We do without knowledge—you cannot."—Yours, etc.,  
Enfield Wash.

GEORGE F. CORRALL.

### The Nature of the Chemist's Business

SIR,—The suggestion made in the report of a meeting held at Cambridge (C. & D., December 28, p. 790) that any future Pharmacy Bill ought to contain a clear and concise definition of what constitutes carrying on the business of a chemist and druggist might lead us into difficulties which are perhaps not quite apparent on the surface. It is possible that if such a definition were required for the purposes of a Bill, the farmers might look to the syllabus of the examination for qualification as a chemist and druggist to get ideas, and in that case the business might be confined to the sale of drugs and dispensing. This would perhaps not be so bad if such a Bill also included the natural *quid pro quo* and confined the business so defined to those who were pharmacists, but this is a sequel which is not likely to follow under the conditions which obtain in this country. Such a definition would also cut out the toilet articles and so-called side-lines which at present form the greater part of our turnover, and, as is pointed out on p. 785 of the same issue, would alter the estimate of population per shop considerably. The presumption is made in that paragraph that from 15,000 to 20,000 persons would be required to provide sufficient business for one pharmacy if we were restricted to purely pharmaceutical functions; and taking into account that the figure to-day is assessed by Mr. Linstead to be between 4,000 and 5,000, this would mean that there would only be sufficient business to support one out of every four or five of the existing pharmacies. It is possible that were such a compulsory distinction made, many of the shops which are more in the nature of general stores would prefer to keep the fancy trade in preference to the drug business when it came to making a choice, as in many of them the drug counter is a negligible part of the premises; and this might make more room for the genuine pharmacist. But what would probably happen in the promotion of such a Bill is what generally does

happen in this country—that the clauses would be worded in such a way that any individual could put his own interpretation on them, and, as in the case of the sale of goods after hours, what is allowable is only decided by a court case in each instance. The dividing line is so indefinite that one cannot say where it begins or ends. I am in entire agreement with your remarks in your review of the year (p. 789) that we should not risk the loss of the place we hold in the public mind in an attempt to attain an elusive professional status; the fact remains that we keep open shops and we qualify for the purpose. I do not want to try to eat the cake and keep it as well, but what appears to me to be only bare justice is some form of distinction for the qualified man and some form of restriction on the sale of medicinal products as a return for the services which it is generally acknowledged pharmacists, and especially "private" pharmacists, give the public.—Yours faithfully,

JUSTICIA (7/1).

### Daily Problems

SIR,—Apart from the general interest which is always afforded by the annual *Diary*, with its comprehensive literary matter and advertisements, there are one or two items in this year's edition which strike me as being worthy of comment from the retailer's point of view. On p. 291, referring to perfumes, the writer states that when Jockey Club was asked for in a large store the assistant had not heard of it; this may not be so surprising in these days when proprietary perfumes are nearly as numerous as patents, but there is still a demand in many districts for the older perfumes such as jockey club, opopanax, etc. Then on p. 296, referring to the Shops Acts, it states that the onus is on the chemist to satisfy himself that goods supplied after hours are really for illness; but he can only do so by asking the customer, who will naturally reply in the affirmative, so that the position is hardly fair. The lists of goods which have been allowed or disallowed are contradictory, tooth-powder and tooth-paste appearing in opposition. Again, seidlitz powders and sulphur ointment are B.P. products, and therefore medicines which no chemist would hesitate to supply; also menthol cones and cod-liver oil emulsion cannot possibly be termed toilet articles. It is high time that the Act of 1677 regarding Sunday sales was repealed, or a new regulation brought in to settle the matter.

Yours, etc.,

DIARIST (30/12).

### Tribute to Mr. H. S. Paul

SIR,—The short announcement in your issue of January 4 of the honour of knighthood conferred upon Mr. Hari Sankar Paul is one which we are sure will be noted with very great pleasure by many of your readers who had the opportunity of making his acquaintance when he visited this country in 1927. Sir H. S. Paul is not only the head of one of the greatest drug houses in the world, but, as is well known, is a man of great personal charm, whose philanthropic activities are as widespread and remarkable as those of his late father, Mr. Butto Kristo Paul, to whose memory a fine statue was recently erected in Calcutta. Sir H. S. Paul has also rendered very great service to the Calcutta municipality. We think we are right in saying that no similar honour has ever before been conferred upon the head of any drug house in the British Empire outside this country; and we think it will be agreed that it constitutes not only a well deserved personal recognition of a fine man, but also a compliment to the drug trade of the Empire.—Yours faithfully,

HOWARDS & SONS, LTD.,

H. LLOYD HOWARD, Director.

Ilford.

### Drift and Apathy

SIR,—An editorial article in your issue of January 4 sums up, in no uncertain fashion, the paralysis which has been creeping over the politics of the Pharmaceutical Society for a decade past. Pharmacists may well ask whether it is not too late to save what remains of



our profession. Can the present exploitation be limited by a scheme of safeguarding what is lawfully due to us by our particular qualifications? Strange to say, the social condition of the craft has declined since pharmacists became State dispensers, or rather servants. The culmination to a period in which drift and apathy have been the presiding geni seems near at hand. Why has there been such a sequence of surrenders since 1843, when we are supposed to have pegged out our claim? A bit was nibbled away in 1868, a bit more in 1898, and the years since that, up to 1926, marked a period of stagnation. In 1927 the Pharmacy Commission commenced its deliberations, and pharmacists began to await the report which would follow. The Society secured the long-demanded representation on the Pharmacopœia Committee, the fruits of Mr. Rowsell's vigorous policy. We are nearer to the happenings of 1929. A colleague at Hull was sentenced to a fine of £5 (or fourteen days' hard labour) for retailing friar's balsam which contained, through the process of evaporation, an excess of solids. A body corporate, with unqualified directors, was described by the Home Office, for the purposes of a Dangerous Drugs Regulation, as a person registered under the Pharmacy Acts. Tribunals under the D.D. Acts have been established for doctors and dentists, whereas the chemists remain liable to surveillance, on the slightest pretext, by the police. These things seem to have been ignored completely by the Society, though I think that they were sufficiently important opportunities for launching an attack. Educationally, it cannot yet decide to raise its Preliminary to the level of other professions, but goes on swelling its coffers on the flood-tide of indifferent-type entrants. There are model pharmacies all over the country, which cannot meet the piracy of the competition from grocer magnates, etc., who are making a good thing out of drug and medicine displays, and, by invitation, tempting the children with automatic machines. The stage is now set for 1930; and before the curtain rises, let us picture in our minds what the whispers and vague shadows will crystallise into at the First Act on the report of the Pharmacy Committee of Inquiry.

Yours, etc.,

A. J. MERRIFIELD.

Chagford.

## Legal Queries

*H. L.* (12/12).—If the formula of the ointment is printed on the label affixed to the container itself, or a reference given to the approved work in which the formula is to be found, the article then enjoys the exemption extended to chemists in favour of "known, admitted and approved" remedies, i.e., it may be sold unstamped by chemists even if held out as beneficial for ailments, provided liability is not incurred on other grounds.

*J. M.* (16/10).—Medical practitioners are required to keep records in the prescribed form of all supplies of "dangerous" drugs purchased by them. Similarly they must keep records in separate registers, or parts of a register, of each "dangerous" drug actually supplied by them to a patient either as an ingredient of a prescription or as a medicament to be used by the patient. On the other hand, it is not necessary for a medical practitioner to enter in the register of drugs supplied particulars of "dangerous" drugs administered to a patient by the doctor personally.

*Z. Y. X.* (31/812) separated from his wife some years ago at a time when he was in a good way of business. He executed a deed under which he agreed to pay her £2 a week. About a year ago, as his financial position had deteriorated, he reduced the amount of the allowance to 30s. a week. His income is now so much reduced that for the present he cannot afford to pay more than £1 a week. His wife's solicitor states that all the arrears will have to be paid at an early date. How does "Z. Y. X." stand? Can he have the deed altered so as to reduce his liability? [He cannot have the terms of the deed altered without his wife's consent, and she is entitled to take proceedings against him for recovery of the full amount of the arrears.]

## Miscellaneous Inquiries

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for, and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

*N. C. C.* (19/12).—TESTING IVORY AND AMBER.—Genuine and artificial ivory may be distinguished by careful chemical determinations of the calcium, magnesium, phosphate, fluorine, gelatin, water and other constituents, variations of which are found more or less in Thorpe's "Dictionary" and in works on physiology and zoology. The composition of amber varies, but quantitative analysis will usually determine the genuineness or otherwise of a sample. A more practical method, and one which appears to be satisfactory, is an examination of the material in ultra-violet light under conditions for observing the fluorescent phenomena produced. Thus natural amber exhibits an intense yellowish-green or green to bluish-white fluorescence, whereas some of its substitutes give an effect much weaker and less blue, for example, shellac gives an orange fluorescence while amber gives a green fluorescence. In similar fashion ivory and bone exhibit differences. Other distinguishing characters in the case of ivory should be made with the microscope. In practice probably the most satisfactory tests are fluorescence for amber and microscopical examination for ivory.

*G. & L.* (17/128).—PRESERVING FLOWERS AND FERNS.—The process by which flowers and ferns are preserved in natural colours for commercial handling is a Japanese secret. Ferns, including maidenhair, however, can be preserved and keep their colour and shape for many years, providing (1) they are kept in a dry atmosphere; (2) are not handled. The process is as follows:—Prepare a saturated solution of copper acetate in acetic acid, dilute with four parts of water and bring to boiling point. Introduce specimen and continue boiling for some little time. Then place specimen in a box and carefully cover with sand which has been heated to 45° to 50° C. Leave specimen in warm sand for twelve hours, after which preservation is complete.

*Catechu* (31/12).—(1) The title of the formula to which you refer is "Rose Gargle," not "Headache and Neuralgia Tablets."—(2) The tablets used for sterilising water are presumably sodium bisulphate (*see* Martindale's "Extra Pharmacopœia").

*T. D. O.* (7/18).—TREATMENT OF ACTINOMYCOSIS.—Potassium-mercuric-iodide is considered an infallible cure of actinomycosis. Pot. iod., ʒiv., Hyd. iod. rub., ʒij., dissolved in water, ʒxx., and ʒij., given daily in cold water (at a regular time), usually cures any ordinary case in a few days; obstinate cases may require a little longer. It is advisable to give a few doses after being cured, to prevent a recurrence, and exterminate its presence in the system. Should the above treatment not effect a cure, then there is a disease other than actinomycosis or wooden tongue.

## Retrospect of Fifty Years Ago

Reprinted from  
"The Chemist and Druggist," January 15, 1880

### Poisoning by Aconite Root

On Christmas Day, at Brokley Farm, near Malmesbury, Mr. Lloyd, a farmer, with his wife and eldest daughter, was poisoned by eating aconite root in mistake for horseradish. Mrs. Lloyd soon succumbed, and the other patients, to whom emetics were administered, remained for some time in a precarious state. . . . In the "Pharmacographia," 1st ed., p. 8, is a paragraph bearing curiously on this subject. "One of the most remarkable facts in the history" of *Aconitum napellus* "is that in certain localities its poisonous qualities are not developed, and it is so entirely innocuous that it is used as a pot-herb! This was pointed out as long ago as 1671, by Martin Bernard, an eminent Polish physician and botanist, and was confirmed by Linnæus, so far as relates to Lapland, where the young shoots of one species are cooked and eaten."





[Commenced C. & D., July 5, 1924]

**Sappan Wood.**—This is derived from *Caesalpinia sappan*, Linn., a small thorny tree (N. O. *Leguminosæ*), a native of the East and West peninsula of India, Pegu, Tenasserim and the Shan plateaux of Burma. The wood of the tree is used as a dyewood, and may be regarded as the logwood of the Eastern Hemisphere, and was recommended as a substitute for it in the Bengal Dispensary and the Pharmacopœia of India. It occurs abundantly in Siam and in the Tenasserim provinces and in the Philippines. Large quantities are annually sent from the West coast of the Gulf of Siam via Bangkok to Singapore. The Philippines also contribute largely to the commerce in sappan wood, most of it being sent to Hongkong in China, where it is used to produce the common brownish-red dye of the clothes of the poorer Chinese. It is much used in Pegu for giving a red tint to silk and in Madras for dyeing straw plait for hat making. A large quantity is consumed in the preparation of the red powder which the Hindoos use to cover themselves with at the time of the Holi festival. A watery extract of the wood is poured upon the arrowroot of *Calceum angustifolia* and mixed well up. The mixture is then dried and powdered. Some add a little carbonate of soda. Before the days of aniline the wood was exported very largely to Europe.

**Scammonium.**—See Scammony.

**Scarlet Red.**—Some confusion has resulted from the nomenclature of the various scarlet red dyes. The original member of the group, "ordinary" (Biebrich scarlet red), is the sodium salt of *p*-sulphobenzene-azo-*o*-sulphobenzene-azo- $\beta$ -naphthol. The dye now used medicinally is "Biebrich scarlet red medicinal." This is toluene-azo-toluene-azo- $\beta$ -naphthol and is a compound of  $\beta$ -naphthol with diazotised amino-azo-*o*-toluene. During the war this compound was difficult to obtain and was largely replaced by the corresponding benzene compound known as "medicinal scarlet red," or cerasine red, still supplied by some wholesalers. Biebrich scarlet red medicinal is a dark brownish-red powder, insoluble in water, slightly soluble in alcohol, readily soluble in fats, ether and chloroform. In the form of an ointment, usually 2-8 per cent. in a lanolin, or castor oil and paraffin ointment base, it is used as a cell proliferant in the treatment of burns and ulcers. Directions for the use of this ointment are given under "ung. anilini coccinati" in the latest edition of "Pharmaceutical Formulas." Absorption followed by symptoms of poisoning may occur if it is applied over an extensive area. "Non-staining scarlet red" is *o*-amino-azo-toluene, and the diacetyl derivative of this is official in some pharmacopœias. Biebrich medicinal dye may be identified by its melting point, 185°, and by the blue-green solution given with sulphuric or hydrochloric acids.

**Scenic Backgrounds.**—An excellent method of covering an unsightly window-back, and at the same time of introducing a bright and interest-arousing element into the window, is to employ scenic window backgrounds. These are obtainable from firms specialising in display requirements, in the shape of hand-painted scenes on stout paper. One advantage of these scenic effects is that they can be employed again and again, and when not in use can be simply rolled up and stored away until a need for them arises. They are admirable for seasonable purposes. For example, during the summer months, boating, tennis, picnic and other outdoor scenes might be used from time to time as a setting for the display of suitable lines. At other times, interior scenes suggestive of home surroundings might be used in conjunction with a representative display of home remedies and pharmaceutical

requirements for the home. One essentially practical and attractive demonstrative display effect is produced by the use of window settings in the form of photographic reproduction upon a special linen, which is afterwards hand-painted. The picture is finished in either transparent and illuminated form, or as a solid painting, and constructed in the shape of a complete background, panel, screen, cut-out or tableau. The chemist's own ideas and designs can be employed, or it is possible for him to have display schemes planned to meet his special needs. A popular form in which these coloured photographic reproductions are used is the three-fold display screen, which is easily folded up when not in use and is adaptable to different sizes of windows by folding back one or both panels. The chemist might well reproduce a local place of interest in this manner for use in conjunction with a display of seasonable produce. The reproductions are mounted on heavy plywood or upon specially made folding screens, or, if desired, may be supplied in roll form. Background effects of this description should be regarded as of a purely temporary nature, and should never be kept in the window long enough to become monotonous. It is preferable to have at least two varieties, and to bring them out from time to time, as a variation from other background attachments.

**Scheele's Green.**—See Copper Salts.

**Schick Test.**—A test carried out in hospitals as a matter of routine for the purpose of discovering (a) carriers of diphtheria, (b) persons actually infected with it, and (c) persons who, though exposed to infection, may safely remain without antitoxin. The process employed consists, in outline, of diluting a standard diphtheria toxin by admixture of nine times the quantity of 0.5-per-cent. phenol, and further diluting in normal saline solution so that 0.1 c.c. contains 1/50 m.l.d. for a guinea-pig. After injecting intracutaneously, the formation of an area of redness lasting for some days and then turning brownish with scaling indicates the absence or insufficient proportion of antitoxin in the patient. A quantitative basis for the test, which includes the injection of a control toxin (previously heated and allowed to cool) into another part, has been worked out. Certain heart and kidney affections, and the stage of convalescence after infectious diseases, are contra-indications of the use of the test. The process was introduced by Professor B. Schick, of Vienna, in 1913.

**Schimmel's Test** is a solubility test used for determining the purity of Ceylon citronella oil, which, in a majority of cases, is exported from Ceylon adulterated with, usually, petroleum oil. An oil to pass the test must be soluble in 1 to 2 vol. of 80-per-cent. by volume alcohol at 20°. The amount of alcohol is increased to 10 vol., when the solution should remain clear, or at least become slightly opalescent, but must not separate oil even after standing for several hours. Violent shaking should be avoided, as any oil that has not gone into solution may not separate for a long time owing to its being suspended in a finely divided state. To evade the test it became common for exporters to add a considerable amount of alcohol to samples of citronella oil. As the original test failed to detect small amounts of petroleum, Schimmel & Co. introduced a new test, known as "Schimmel's raised test." This consisted of adding 5 per cent. of kerosene to the sample of oil. If originally pure the oil would now pass the original test. Schimmel's test is now to some extent superseded, as citronella oil is more usually sold on the basis of the percentage of acetylisable constituents.

**Schlippe's Salt** may be obtained by adding powdered antimony trisulphide and flowers of sulphur in small portions to boiling solution of caustic soda. The mixture is filtered and evaporated, when crystals of Schlippe's salt, sodium *o*-sulpho-antimonate or sodium thio-antimonate ( $\text{Na}_2\text{SbS}_3 \cdot 9\text{H}_2\text{O}$ ) separate out. It is a pale yellow, nearly colourless, hygroscopic solid, which is decomposed by acids, including carbonic acid, giving  $\text{Sb}_2\text{S}_3$ . It is used in photography for intensifying negatives after bleaching with mercuric chloride, and also as a redeveloping agent in sulphide toning, various shades of red and brown being obtainable by the use of different proportions of Schlippe's salt and sodium sulphide.



# The C.&D. Commercial Compendium

**Scholarships, Pharmaceutical.**—A scholarship may be defined as an emolument or its equivalent granted to a student for the prosecution of his studies. Such a grant is usually made, as the outcome of a competitive examination, from funds placed at the disposal of a public body. The annual Educational Number of THE CHEMIST AND DRUGGIST contains particulars of the principal scholarships (and prizes) awarded to pharmaceutical students. The oldest of these is the Jacob Bell memorial scholarship, founded in memory of Jacob Bell, and awarded annually by the Pharmaceutical Society of Great Britain: it is tenable for one or two years, and is of the annual value of about £56 10s. In present conditions the winner has the option of studying for either the Chemist and Druggist Qualifying examination, the Pharmaceutical Chemist Qualifying examination or the Bachelor of Pharmacy (London) examination. After the scholarship had been in existence a few years, the late Thomas Hyde Hills, Jacob Bell's junior partner and successor in business, added an annual prize of books worth £5, and created an endowment for the purpose. At the head of the list of winners is the name of the late Sir William Tilden (1861). Other well-known scholarships are the Redwood scholarship, founded in 1887 in commemoration of the work of the late Theophilus Redwood, professor of chemistry and pharmacy to the Pharmaceutical Society; the Burroughs scholarship, founded in 1896 in memory of the late Silas Mainville Burroughs; the Fairchild scholarship, founded in 1904 by Fairchild Brothers & Foster to encourage study during apprenticeship, and now of the annual value of £60, with additional prizes; the Ransom fellowship, established in 1917 by Mr. Francis Ransom, Ph.C., to promote the investigation of crude drugs; the three Leverhulme scholarships, each of the value of £60, founded in 1923 by the late Lord Leverhulme; the Manchester Pharmaceutical Association scholarship; the Devon and Cornwall exhibition (annual value about £25); the Rammell studentship; the Charles James Hewlett memorial exhibition, of the annual value of about £15; the Kinnimont prize (annual value £10 10s.); and the Petrie trust bursary (annual value about £16).

**Schools of Pharmacy.**—The first school of pharmacy established in this country is that of the Pharmaceutical Society of Great Britain, founded in 1842. The first professors were George Fownes (chemistry), Jonathan Pereira (materia medica), and Anthony Todd Thomson (botany). The Dean of the School is Professor H. G. Greenish, D. ès Sc., who joined the staff originally in 1890 as teacher of materia medica. The passing of the Pharmacy Act, 1868, led to the opening of other teaching institutions in various centres, beginning with the South London School of Pharmacy, carried on for many years by the late Dr. John Muter, M.A., and his staff. The Schools of the Pharmaceutical Society of Ireland were inaugurated with an Evening School for Chemistry, set up by a resolution of the Council passed on December 23, 1889; in 1894 a School of Botany and Materia Medica was added, and recently a pharmacy class has been started. Particulars of the sessions and fees at principal schools are given annually in the Educational Number of THE CHEMIST AND DRUGGIST.

**Schweinfurth Green.**—See Paris Green.

**Science Museum.**—Open daily, except on Good Fridays and Christmas Days, from 10 to 6; Sundays, 2.30 to 6. Admission free. Address: Exhibition Road, South Kensington, London, S.W.7.

**Scientific and Industrial Research Department.**—Originally set up in 1915 as a committee of the Privy Council, and raised to the status of a department in the following year. It was founded for the purpose of instituting specific researches and establishing or developing institutions for the scientific study of problems affecting industries and trades. An annual report of work done is issued by the Stationery Office. An advisory council has been set up to assist the Department. The parliamentary grant for 1929-30 amounts to £446,214. Offices: 16 Old Queen Street, Westminster, S.W.1.

**"Scientific Mysteries."**—Published by THE CHEMIST AND DRUGGIST in 1891 (pp. 100, 1s.). Now out of print.

**Scilla.**—See Squill.

**Scoparin** is a phenolic body occurring in broom-tops, *Cytisus scoparius*, of which it is probably the colouring matter. It may be extracted by evaporating to small volume an aqueous decoction of the drug and allowing it to stand until it assumes a gelatinous consistency. The product is washed, dissolved in hot acidified water, again allowed to gelatinise, washed and finally dried on a water bath. It is a tasteless, odourless yellow powder. If heated slowly it melts at 202°, if rapidly, at 219°. The formula has been given as  $C_{16}H_{16}O_8 \cdot OH \cdot OCH_3$ , but a more recent determination corresponds with  $C_{22}H_{22}O_{11}$ . It is insoluble in cold, but soluble in hot water, and also in alkalis giving a yellow solution. The B.P.C. statement that it is medicinally inert is not supported by other authorities, and it has a definite, if mild, diuretic action in doses of 5 to 8 grains.

**Scoparius.**—See Broom.

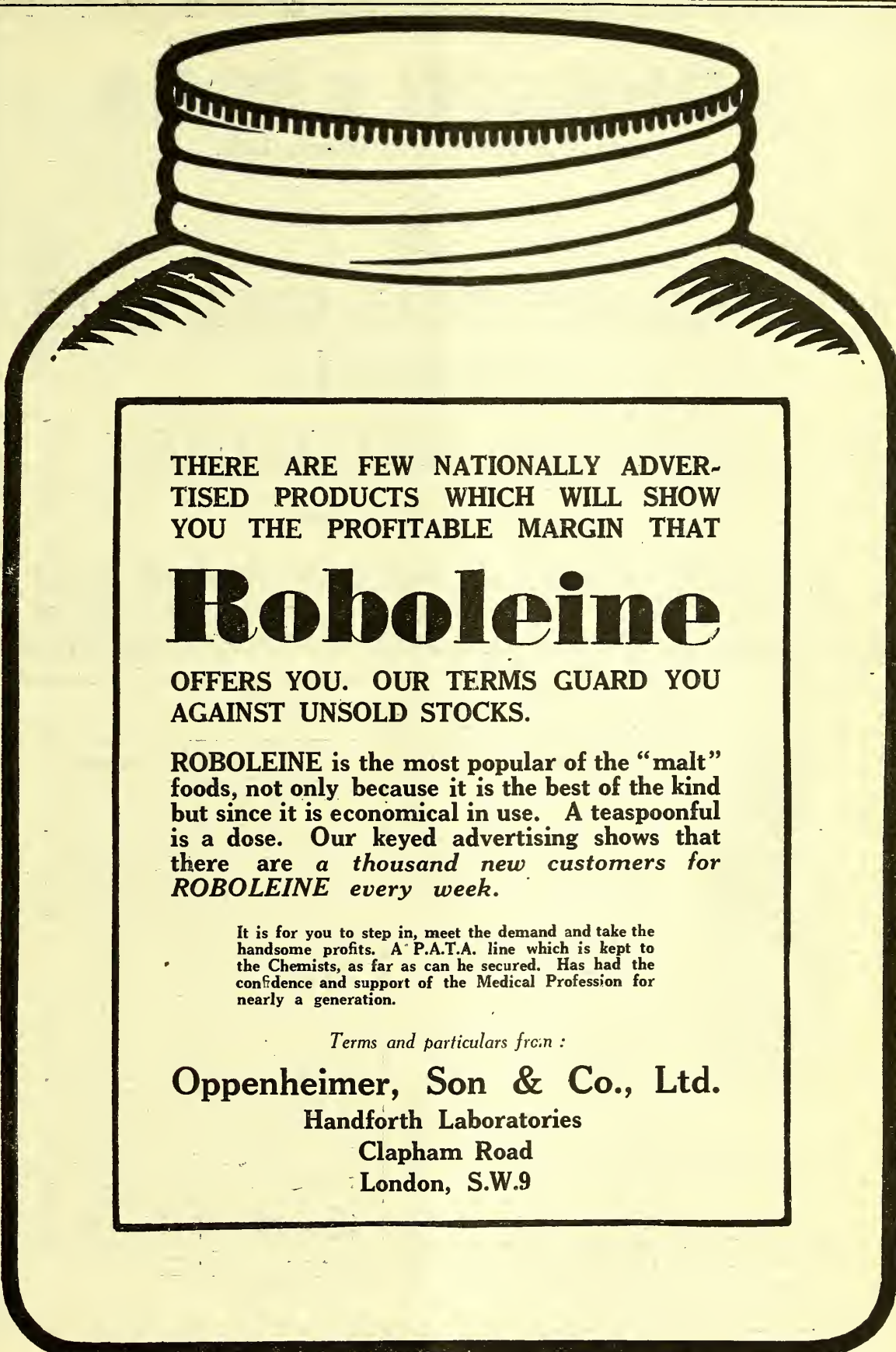
**Scottish Distributive Trades' Federation.**—Secretary and treasurer, Mr. J. M. Crosthwaite, 207 West George Street, Glasgow.

**Scottish Pharmaceutical Federation.**—An organisation of Scottish retail chemists formed, by resolution passed at a meeting held in Edinburgh on April 30, 1919, for the purpose of protecting the business interests of its members (see Retail Pharmacists' Union), Secretary and treasurer, Mr. H. Graham Macmillan, C.A., 65 Renfield Street, Glasgow.

**Scrapers, Tongue.**—Tongue scrapers are used to remove "fur" from the tongue. They are usually made from ivory or tortoiseshell, with or without a handle, and some fold up if desired.

**Screens (dividers) in Window Displays.**—It sometimes happens that it is desired to introduce two independent displays in one window. Those who use this method of making the most of their window space usually find that it is difficult to keep the different classes of goods clearly separated, but with suitable fittings the task can be satisfactorily accomplished. For the efficient division of the windows into two or more sections, there is nothing better than a properly constructed window screen or divider, specially made for the purpose. It is sometimes advisable to have window fittings of this type made to order, for the sizes and dimensions of shop windows vary to such an extent that it is almost useless to make dividers in standard sizes. The most satisfactory method when buying screens is to send the dimensions of the window to the shop-fitter, and to ask him to quote for the erection of a window divider. The chemist himself may have in view the design he prefers, but, if not, he will be wise to let the shop-fitter prepare a rough design and submit it for his approval. It is preferable to have the window divider of the same coloured wood as the window enclosures. If the chemist has a shallow window it is a good plan to have a divider that can be used with or without shelves, by having inconspicuous grooves cut in each side to permit of the sliding in of wooden shelves of the same finish. Although dividers are frequently used in large windows their value does not appear to be so fully appreciated for use in connection with shallower ones, where the background is only about two or three feet from the glass. One type of tall, narrow window divider, suitable for the average window, has a trellis-work centre. A divider suitable for deep windows is lower, and, if necessary, can be made in two sections, which, separately, may be used to divide into three the front part of the window. Those who do not wish to have dividers specially made, but prefer the kind that can be put to use in any window, or inside the shop, if desired, can easily procure one constructed on the screen principle, or one which will stand independently on its own pedestals wherever it is placed, without necessarily fitting exactly into the window.





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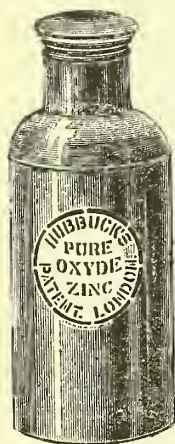
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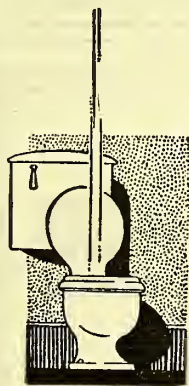
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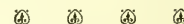
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well repaid with brisk sales and a quick, profitable turnover.

## Snowfire TABLET AND JELLY

It is intended to substitute Snowfire Visil (Regd.) as the NEW  
name for Snowfire Jelly. Snowfire Visil is the more descriptive  
name for the soft and silky consistency of the article formerly  
known as Snowfire Jelly.

Made by: F. W. Hampshire & Co. (1927) Ltd., Sunnysdale Works, Derby.

Agents—India: Messrs. Siqueira & Son, 121 Fort St., Fort, Bombay.  
Australia: Messrs. Salmon & Spraggon (Australia), Ltd., 218 Kent St., Sydney, N.S.W.

## GARFIELD TEA

PROMPT SHIPMENT

ALL SIZES

'Phone or Write:

**GARFIELD TEA CO.**

44 Foxbourne Road

**BALHAM, LONDON, S.W.17.**

## Dr. BENGUÉ'S BALSAM

RHEUMATISM, NEURALGIA, GOUT.

Dr. BENGUÉ'S ETHYL CHLORIDE.

Dr. BENGUÉ'S DRAGÉES.—EUPURGO.

PULMO (BAILLY).—FORXOL.—OPOBYL.

ANESTILE.—NARCOTILE.—HEMOSTYL.

LIPIODOL.—MUTHANOL.—ARHEMAPECTYL.

ENTERO ANTIGENS.—STAPHYLOTHANOL.

NEOPANCARPINE. RICARD'S CACHETS.

**BENGUÉ & CO., LTD., MFG. CHEMISTS,**  
24 FITZROY STREET, LONDON, W.1.



# PECTORINE COUGH TABLETS

An effective tablet at a popular price supported by smart show material.

R—Camphor, Menthol, Licorice, Ipecacuanha, Oil of Pine and Oil of Aniseed.



per lb.  
7 lbs. - 1/10  
14 „ - 1/9  
28 „ - 1/8  
56 „ - 1/7  
112 „ - 1/6

Cartons to hold 2-oz. free at the rate of 400 per cwt.

Also display labels for show jars and show-cards.

Special Quotations for Larger Quantities or Contracts.

OTHER SEASONABLE PREPARATIONS FOR WHICH SMART AND ATTRACTIVE SHOW MATERIAL IS AVAILABLE ARE :

“Stirrup Cup” Ginger Wine Essence, Glycerine Lemon and Honey, Winter Skin Lotion, Zotal Liniment, Influenza and Cold Capsules, Chilblain Cream, Bronchial Lozenges, Pyzonic Bath Salts.

**BURGOYNE, BURBIDGES & CO., LTD.**  
Manufacturing Chemists, LONDON, E.6

ESTABLISHED 1741.



## THE ONLY SANTONIN FACTORY IN THE WORLD

When buying Santonin in bulk or in bottles insist on the original Packing and Labels of the Tchimkent Factory as illustrated below, which are the surest guarantee of the genuineness and purity of the goods.



Original  
1 Kilo Carton. (Label.)

# SANTONIN

THE ONLY SPECIFIC REMEDY  
AGAINST WORMS IN HUMANS,  
DOGS, PIGS, and other Animals.



Original Bottle Packing  
1-oz., ½-oz. & ¼-oz.

Order from your usual wholesaler, but write to us  
for our booklets:  
"Common Helminths in Medical Practice,"  
"The Dog Lover's Book,"  
"The Worms of the Dog,"  
and our artistic coloured Show Card.

SOLE REPRESENTATIVES OF THE TCHIMKENT SANTONIN FACTORY:

**ARCOS, LTD.** (Santonin & Drugs Section),  
**Bush House, East Wing, Strand, London, W.C.2**

ESTABLISHED 1772

## HENRY'S CALCINED MAGNESIA

Continues to be prepared with scrupulous care, in the greatest chemical purity by  
**Messrs THOMAS & WILLIAM HENRY, 11, East Street, St. Peter's, Manchester.**  
And is sold in Bottles, authenticated by a stamp bearing their name. Trade Mark, Henry's Calcined Magnesia.  
New York: Messrs. SCHIEFFELIN & CO., William Street. PRICE 2s 9d. Paris: Messrs. ROBERTS & CO., 5, Rue de la Paix.



### CACHETS "FINOT"

(White or Coloured)

With inscriptions in any desired  
tint; also Plain or Embossed.  
"A distinction all their own."—C. & D.  
"Perfection of Cachets."—Lancet.

These Cachets are especially adapted for Headache, Neuralgia  
and other powders.

**COOPER SON & CO. LTD., 80 Gloucester Road, SOUTH KENSINGTON.**  
In 17 Sizes to fit the various types of Cachet Machines.

### DUTCH DROPS

The Original HAARLEM OIL

Also in Capsule Form.

We are Sole Distributing Agents for the British Isles, British  
Colonies, Scandinavian Countries, Spain, and South America.

**BROOK, PARKER & CO., LTD., BRADFORD.**



## 'Petrolagar'

(Regd. Trade Mark)

**FREE OFFER.**—You may have one 8-oz. bottle free with one dozen 8-oz.  
size, any assortment, or one 16-oz. bottle free with one dozen 16-oz. size, any  
assortment (not a mixed dozen of large and small).

Obtain the best terms by ordering 'Petrolagar'  
Brand Emulsion in dozen lots from your wholesaler.

**PETROLAGAR LABORATORIES LTD., BRAYDON ROAD, LONDON, N.**  
Phone: CLISSOLD 7572.



# "GRIPE WATER"

MESSRS. W. WOODWARD, LTD., BEG TO  
ANNOUNCE THAT THEY ARE ISSUING NEW  
DISPLAY TERMS EARLY IN FEBRUARY.

FULL PARTICULARS WILL BE POSTED TO  
ALL PHARMACISTS AT AN EARLY DATE.

## BONUS OFFER

The Greatest Cough Cure in the World—

### "KOF-OH"

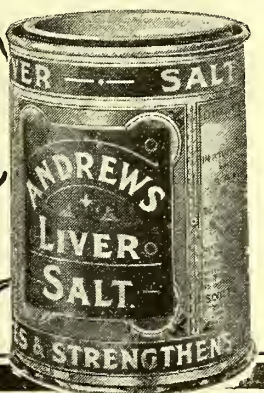
P.A.T.A.

1/3 size approx.	4 1/2 fl. oz.	@ 12/- doz.	} nett 30 days
3/- " "	14 fl. oz.	@ 28/- " "	
1/3 tin Tablets	- -	@ 12/- " "	

ORDERS of 3 doz. 1/3 or equivalent 4 x 1/3 free,  
6 doz. or equivalent 9 x 1/3 free for 14 days'  
window display. Carriage paid. Packages free.

**KOF-OH CO., LTD.** Manufacturing Chemists **EVERTON, LIVERPOOL**

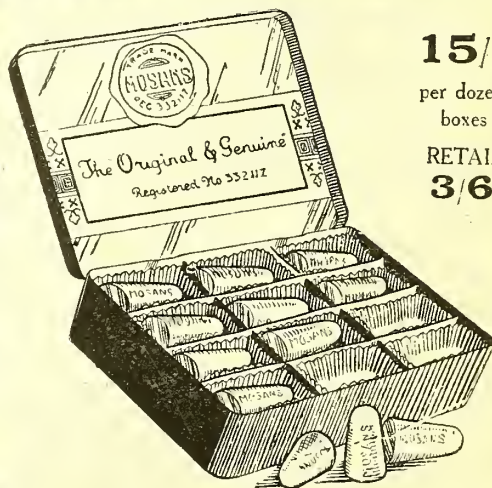
*The Saline  
with the  
largest sale  
9/- & 1/4.*



## "MOSANS"

Non-Greasy, Odourless

## QUININE PESSARIES



**15/-**

per dozen  
boxes

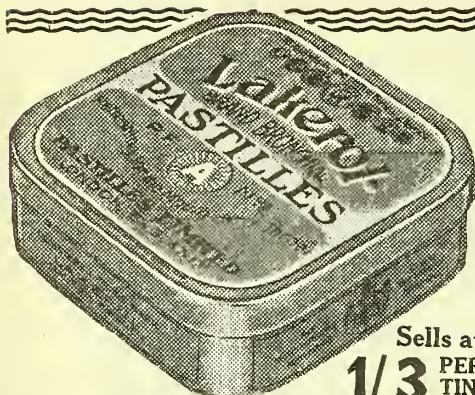
RETAIL

**3/6**

ORDER THROUGH USUAL WHOLESALER.

Avoid Imitations and see the No. 332117 on each box.





Sells at  
**1/3** PER  
TIN

## IT'S PASTILLE WEATHER! Now for LAKEROL

Meteorological experts are generally agreed that cold, wet, foggy weather is the outlook for the next two months. The public will demand relief from colds and bronchial troubles which will naturally follow. LAKEROL is the pastille for them, welcomed by adults and children alike. and remarkable in its efficacy. Stock and sell LAKEROL,

LAKEROL Pastilles are now supplied in two packings, selling at 7½d. and 1/3 respectively, and appealing to all classes.

### TRADE TERMS FOR BONUS PARCELS.

**1/3 Tins**

Window Display Parcel No. 1 contains 3 dozen tins and a bonus of 6 tins. INVOICED at £1 10—SELLS at £2 12 6

**7½d. Pkts.**

Window Display Parcel No. 1 contains 4 dozen packets and a bonus of 8 packets. INVOICED at £1—SELLS at £1 15

**PROFIT on each equal to 75% on cost.**

Attractive Display Material and a liberal supply of sample packets accompany each parcel.

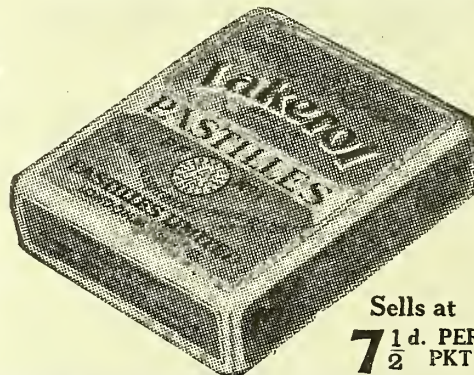
PASTILLES LIMITED,

124 HIGH STREET, SHOREDITCH, LONDON, E.1

# LAKEROL

BRAND

## BRONCHIAL PASTILLES



Sells at  
**7 1/2** PER  
PKT.

## CHILL WINDS are TRADE WINDS to the Chemist who Stocks

# IRVING'S Yeast-Vite TONIC TABLETS

OUR NATION-WIDE ADVERTISING is creating an unprecedented demand.

A well-known Manchester Chemist, when sending us a large order recently, writes as follows:—

"Might I mention at the same time that it is a pleasure to sell a line like yours which bears such a good profit and sells so freely."

**LOOK** at the profit on a Special 14 day Window Show Parcel. Sent Carriage Paid together with BONUS and FREE Display Material.

		COST.		SELLS.	
6 doz. 1/3 size @ 12/-	..	£3 12 0	..	£4 10 0	} £5 PARCEL (P.A.T.A.)
1 " 3/- " @ 28/10	..	1 8 10	..	1 16 0	
	..	£5 0 10	..	£6 6 0	
BONUS 12 only 1/3	..	free	..	15 0	
2 " 3/-	..	free	..	6 0	} 46% PROFIT ON COST -
30 days NETT	..	£5 0 10	..	£7 7 0	
					30 days CREDIT
					PROFIT £2 6 2.

LATEST SHOW MATERIAL to link up with our huge Advertising sent FREE and POST FREE. State whether required for Small, Medium or Large Display.

**IMPORTANT.**—Our new Factory is in full swing, but we are taxed to the utmost in meeting all demands. Order NOW to avoid losing sales.

## IRVING'S YEAST-VITE, LTD., WATFORD, HERTS.

Telephone:—WATFORD 1475 & 806 (5 lines).

Telegrams: YEAST-VITE, WATFORD, HERTS.





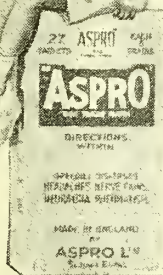
# The 'Aspro' Review



17% Extra Profits.

"British to the Core"

New Series Display Features.



## Beautiful New Display Features Printed in Natural Colours for Exclusive Showing by British Chemists

ACCEPTING the advice of a number of leading chemists to provide high-class display features we have pleasure in announcing the completion of a new series, exclusively produced for chemists.

The illustrations on these pages represent actual photographs of cut-outs just received from the printers. The size of each is approximately 22 by 14 inches, and the printing has been executed in full colour with a gloss finish. The composite display shown below is a folding combination in group form of the same figures and has been produced to place on counters, shelves, and in corners and recesses.

From the point of artistic value these displays will not only attract attention, but they will add tone to your display work—give an undeniable impression of progression—and the 'ASPRO' messages link your store to the largest medicine advertising campaign in the world.

Simply write or 'phone, and a complete set will be forwarded to any chemist in Great Britain.

There is no doubt that the new displays will further enhance 'ASPRO' sales for chemists. Turn up your ledger and analyse your 'ASPRO' purchases. IF YOU ARE NOT BUYING ON OUR BONUS TERMS you are losing an average additional 17 per cent. net profit, so figure out exactly what this extra percentage would mean to you EACH YEAR. With the cost of doing business rising higher year by year, is it good business to MISS an extra 17 per cent. net?

The 'ASPRO' bonus is as follows:—On a one gross order for 10's the bonus is one dozen packets; on half-gross order, 4 dozen packets. Half gross 10's is the minimum order accepted for Bonus purposes.

### 17% Extra Profit if You buy Your 'ASPRO' Supplies on Bonus Terms

On a one gross order for 27's the bonus is 2 dozen packets, on a half-gross order 1 dozen packets, and on a quarter gross order ½ dozen packets. A quarter gross order is the minimum quantity. There is no bonus on 5's or 60's.

The conditions are that the Chemist who buys on these terms undertakes to display prominently 'ASPRO' advertising matter in his shop window for 14 days, and sell at advertised prices. As 'ASPRO' is so extensively advertised, this action will not only bring customers into the Chemist's shop to purchase 'ASPRO', but should enable the Chemist's staff to make other sales to these customers. Acceptance of Bonus is considered acceptance of conditions regarding display and selling prices. For Bonuses it is not necessary to buy both sizes at the same time, i.e.,

single lots 6 dozen 10's or 3 dozen 27's will qualify the Chemist.

You order as follows:—We do not sell direct to the Chemist. All our business goes through Wholesalers. Orders may be sent either to your Wholesaler or direct to us. If to us, state the name of your Wholesaler, so that we may forward the order on and the Bonus will be supplied direct by us.

Ordinary prices for 'ASPRO' are as follows:—

3d. size containing 5 tablets 2/3 dozen.  
6d. size containing 10 tablets 4/6 dozen.  
1/3 size containing 27 tablets 11/6 dozen.  
2/6 size containing 60 tablets 21/- dozen.  
Less 2½% 30 days.

NOTE.—1/3 size contains 2 extra tablets. The 2/6 size 10 extra tablets.

'ASPRO' consists of the purest Acetyl Salicylic Acid that has ever been known to Medical Science, and its claims are based on its superiority.

Agents—  
**GOLLIN & CO. PTY. LTD.**  
(Aspro Dept.)

**SLOUGH, Bucks.**  
Phone - - - Slough 608.  
No proprietary right is claimed in the method of manufacture or the formula.



Made by **ASPRO LIMITED**  
Slough, England



Composite Display for Shelves and Recesses.  
Printed in Full Colours.



# GALLOWAY'S COUGH SYRUP

*SHOWS OVER 50% PROFIT  
WHEN BOUGHT ON BEST TERMS*

---

## A £5 ORDER

ENTITLES YOU TO

**10% DISCOUNT & 2½% FOR PROMPT CASH  
WITH A BONUS OF  
½ DOZ. 1/3 SIZE OR ¼ DOZ. 2/6 SIZE  
FOR 14 DAYS WINDOW DISPLAY.**

---

**1/3 SIZE 12/- PER DOZ.**

**2/6 „ 24/- „ „**

**CARRIAGE AND PACKING FREE IN UNITED KINGDOM**

**LOOK TO YOUR STOCKS AND  
SEND YOUR ORDER NOW**

---

**P. H. GALLOWAY, LTD.  
LONDON, S.E.17**





National Committee for  
Promoting the Consump-  
tion of Norwegian Cod  
Liver Oil, Bergen, Norway.

Ultraviolet radiation is sometimes tried to replace the lack of vitamins in food. It is not an economic way of attaining this result.

IN ITS REPORT FOR THE YEAR 1927—1928  
**the British Medical Research Council**  
STATES:

"The use of artificial light to supply only what the right food can give is merely wasteful. It commonly costs three or four shillings to give by light an effective supply of vitamin D that would cost less than a penny if given by the mouth in the form of cod-liver oil . . ."

Norwegian Cod Liver Oil abounds in natural vitamins. It is a natural food, supplying vitamins A and D, which is easily absorbed owing to its high percentage of glyceryl esters of unsaturated fatty acids. There is no efficient substitute for Cod Liver Oil.

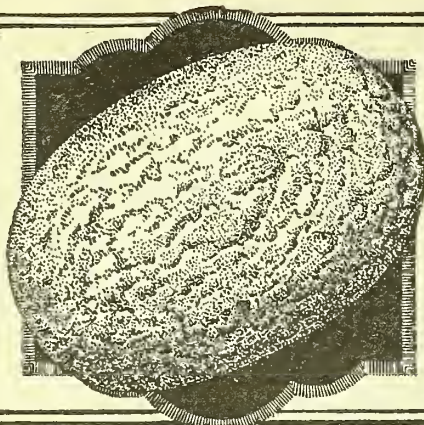
A TEASPOONFUL OF  
NORWEGIAN COD  
LIVER OIL CONTAINS  
MORE VITAMINS THAN



ALL THE BUTTER AND  
MILK ANY INDIVIDUAL  
CAN EAT AND  
DRINK IN A DAY

**NORWEGIAN COD LIVER OIL**



Two thirds  
actual size

## Bath Rusks

Unsolicited testimonials daily for Carr's famous Bath Rusks which are ideal for babies and young children. Scores of letters from grateful mothers. Recommended everywhere.

Made only by  
**CARR'S** of Carlisle  
*The Oldest House in the Trade*

# PURE ORANGE WINE

## A. MILLAR & CO., LTD., DUBLIN

(VINUM AURANTII B.P.)

Prepared in strict accordance with the Formula of the British Pharmacopoeia.

(Wholesale only.)

Samples from Head Office, Thomas Street, DUBLIN, or London Office, 74 Great Tower Street, LONDON, E.C.3.

ALL CHEMISTS  
SHOULD STOCK

### ABDINE

THE GOLD MEDAL HEALTH DRINK.

Quick Seller. Big Profits. Over 50 years' Reputation.  
"Abdine" is the most popular Health Drink. Perfectly safe for all ages.  
Made from choicest fruits, it does not contain Epsom or Glauber Salts. Year  
after year the sales are steadily increasing.

DUNCAN McGLASHAN, LTD., ABDINE WORKS, WESTFIELD RD., EDINBURGH

### "YEAST FOR VITAMIN B."

Yeast specially prepared for medicinal  
purposes.

GUARANTEED ABSOLUTELY PURE.

MIDGLEY & PARKINSON, LTD.,  
WARREN WORKS, PUDSEY, LEEDS.



HAVE YOU GOT YOUR  
COPIES OF

*"The Helpful Calvert  
Family"*

A new Kiddies' Book issued by  
Calverts. This book is being offered  
free, "through your usual chemist."  
The advertising has already started.

IF NOT, WRITE AT ONCE TO—

**F. C. CALVERT & Co. Ltd.**  
**MANCHESTER**

DUTCH  
*Sugar  
of Milk.*  
"THE BEST"

HOLLANDSCHE  
MELKSUIKERFABRIEK  
Amsterdam

### The Profit's the thing

A steady profit is assured if you stock

## CONSTIPON

The demand is good, and  
sales are increasing daily.

TABLETS per box 3d., 6d. & 1/-

Stocked by Scottish Wholesale Druggists.

**CONSTIPON**

65 West Regent Street, Glasgow.



# OSTOMALT

*A palatable preparation presenting vitamins A, B, C & D*



**"OSTELIN" VITAMIN D  
MALT EXTRACT  
ORANGE JUICE**

**O**STOMALT contains the Vitamin D equivalent of 50 per cent. of cod-liver oil of maximum potency added in the form of "Ostelin" Vitamin D. Ordinary "malt and oil" preparations do not usually contain more than 10 to 16 per cent. of cod-liver oil and that often of small Vitamin D potency.

Ostomalt contains an adequate supply of Vitamin A; selected malt extract rich in Vitamin B; concentrated orange juice (Vitamin C); and "Ostelin" Vitamin D. It thus presents all the vitamins required for nutrition, growth, and general health. It is nearly four times as stimulating and nourishing as the finest cod-liver oil and malt extract.

Children find the flavour of Ostomalt attractive and adults prefer it to cod liver oil preparations, because it causes no digestive troubles.

**2 sizes only— $\frac{1}{2}$ -lb. jars, 2/6 ;  
1-lb. jars, 4/-**

SALES MANAGER: GLAXO HOUSE ; 56 OSNABURGH ST., LONDON, N.W.1

## COLLOIDAL CALCIUM

**with  
"Ostelin"  
vitamin D**

Boxes of six 1 cc. ampoules... 5/- each  
Also in 25 cc. bottles ... 10/- each

is the latest advance in calcium therapy, specially introduced for intensive treatment, by hypodermic injection, of conditions associated with defective calcium metabolism. The presence of the Vitamin D regularises the assimilation of the Colloidal Calcium, and also prolongs its effect. The colloidal solution of Vitamin D in which the calcium is suspended is equivalent in value to fifty times its volume of cod-liver oil of maximum potency.

SALES MANAGER: GLAXO HOUSE : 56 OSNABURGH STREET, LONDON, N.W.1



# Petroleum Jelly

White, Yellow, Amber,  
& Ruby Red, for all  
Pharmaceutical and  
Veterinary purposes

**MEADE-KING, ROBINSON & CO., LTD.**

22 Water Street  
LIVERPOOL.

523 Salisbury Hse  
Finsbury Circus  
LONDON.

Deansgate Arcade  
MANCHESTER.

Martineau Street  
BIRMINGHAM.

Wellington  
Chambers  
LEEDS.

## THE METHYLATING CO., LTD. for METHYLATED SPIRITS.

KINNAIRD HOUSE, Pall Mall East, LONDON, S.W.1

Telephone : Regent 5764-5.

Telegraphic Address : "Methcolim, Phone, London."

## ADEPS LANÆ, P.B.

THE FINEST BRITISH LANOLINE PRODUCED

IS MANUFACTURED BY

**THE PHARMACEUTICAL LANOLINE CO.**

**Carnwath Road, Fulham, London, S.W.6**

Telephone : Putney 1153 and 1154.

WHO INVITE ENQUIRIES. Telegrams : "Batapo, Walgreen, London."



**PETROLEUM JELLIES**WHITE, LEMON, YELLOW, AMBER.  
RED, GREEN.**WHITE & COLOURED OILS**

YELLOW, GREEN, RED FOR BRILLIANTINE, etc.

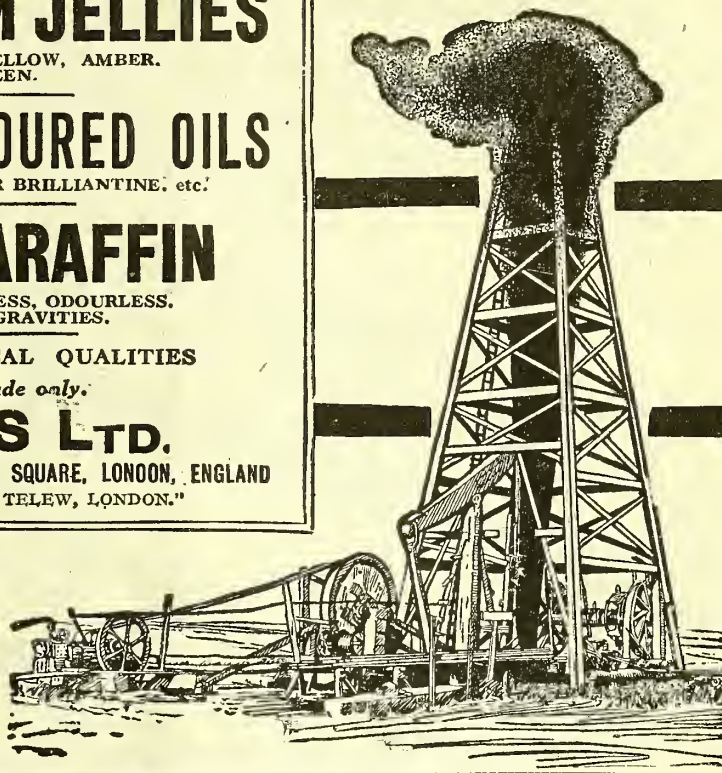
**LIQUID PARAFFIN**COLOURLESS, TASTELESS, ODOURLESS.  
ALL SPECIFIC GRAVITIES.

B.P. AND TECHNICAL QUALITIES


*Wholesale Trade only.***STERNS LTD.**

ROYAL LONDON HOUSE, FINSBURY SQUARE, LONDON, ENGLAND

Telegrams: "CENTUMVIR, TELEW, LONDON."

**PETROLEUM JELLY**("SALVO PETROLIA")  
BRANDTHE PERFECTION OF PETROLEUM JELLY.  
MANUFACTURED SOLELY BY**THE DEE OIL CO. LD.****D 23 & 24 EXCHANGE BUILDINGS  
LIVERPOOL**TELEPHONE:—  
**CENTRAL 3859**TELEGRAMS:—  
**"CESTRIAN"****LONDON OFFICE****11 POULTRY, CHEAPSIDE, E.C.2. PHONE: CITY 8455****PACKED IN BARRELS, KEGS OR  
SMALLER PACKAGES IF DESIRED.**OTHER GRADES OF  
PETROLEUM JELLIES, WHITE BASES ETC.  
**WHITE OILS B.P. & Technical Qualities**  
SAMPLES & PRICES ON APPLICATION**OLEUM DEELINÆ (DEE OIL)**  
**THE UNFAILING CURE FOR ECZEMA***Bleached  
White  
B.P.***BEE SWAX***Refined  
Yellow  
B.P.***POTH, HILLE & CO., LTD.****6 Lloyd's Avenue, London, E.C.3.***Works at Stratford, E.*



**PARAFFINUM  
LIQUIDUM B.P.**All Specific Gravities Guaranteed  
to remain bright at 0°C**B.P. WHITE & YELLOW  
PETROLEUM JELLIES****WHITE & HALF  
WHITE OILS****W.B.DICK****& CO., LTD.****26 Grosvenor Gardens  
LONDON, S.W.1**Telephone :  
Sloane 3461 (7 lines).Telegrams :  
"Dicotto, Sowest, London."And at  
GLASGOW - LIVERPOOL  
NEWCASTLE - CARDIFFdj<sub>2</sub>BY APPOINTMENT  
TO HIS MAJESTY  
THE KING.**THE  
Chemist and Druggist  
SUPPLEMENT**is an infallible help when you want  
to buy or sell a business, secure an  
agency, an assistant or a situation, or  
**SELL SURPLUS STOCKS.**The Tariff is printed on the front cover of the Coloured  
Supplement.Address all inquiries to—  
The Publisher: **THE CHEMIST AND DRUGGIST,**  
42 Cannon Street, LONDON, E.C.4.


**FREE!**

The latest and best methods of cleaning all Bottles and Jars is fully explained in this new book. Essential to all manufacturers who conscientiously seek

**SCIENTIFICALLY CLEAN BOTTLES**

FREE TO ALL EXECUTIVES

**THOMAS HILL**  
ENGINEERING CO. (HULL) LIMITED

Write To-day 9 Park Lane, Stepney, HULL

**SITORA REFINING CO. LTD.**Ask for  
Quotations  
and Samples.**OUR SPECIALITIES:**  
**PARAFFINUM LIQUIDUM B.P.**  
**TECHNICAL WHITE & HALF-WHITE OILS**  
**COLOURED BRILLANTINE OILS****27 MINCING LANE, E.C.3****Royal 2944.**

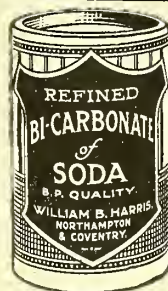




## ROBINSON'S of CHESTERFIELD for CARDBOARD BOXES

ROUND · OVAL · SQUARE · FOLDING

ROBINSON & SONS LTD.  
CHESTERFIELD & LONDON



## BEADED BOXES

The boxes illustrated above are finding increasing favour amongst chemists. They are dust-proof and air-tight and of a very attractive appearance. Fitted with a flanged metal lid which is easily lifted out they form a very useful container.

Blank panel on reverse side for printing in Customer's name and address.

**ROBINSON & SONS, Ltd.**

Manufacturers of ROUND, OVAL, SQUARE AND FOLDING  
CARDBOARD BOXES.

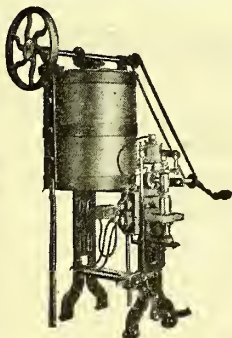
**CHESTERFIELD**

## Roberts' Original Patent BOTTLE FILLING MACHINES

The record makers in speed filling with cleanliness. Foot-Operated Machines. From £5 5s. Hand-Operated Machines. From 36/-.

Soundly constructed, simple in action, easy to clean.

### NEW PATENT SHALLOW TIN FILLING MACHINES.



Automatic CAN FILLING  
MACHINES, MIXING  
MACHINES, CORKING  
MACHINES.

NEW PATENT ACCESSOR-  
IES TO "NELSON,"  
"VICTOR" and "NAVY"  
BOTTLE FILLING  
MACHINES enable them to be  
used as Vacuum Fillers, Gravity  
Fillers or Pressure Fillers at will.

"ROYAL"

WRITE TO-DAY TO

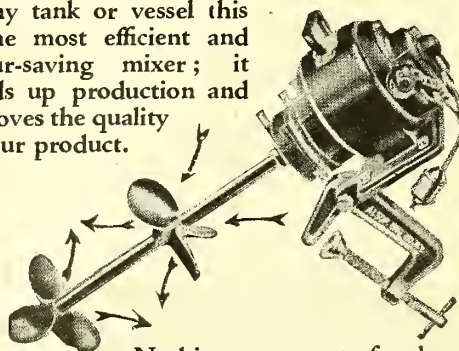
**ROBERTS' PATENT  
FILLING MACHINE CO.**

33 Roundcroft Street, BOLTON, LANCs.

All rights reserved.

## Speed up mixing with the HY-SPEED MIXER

Quickly and easily attached to any tank or vessel this is the most efficient and labour-saving mixer; it speeds up production and improves the quality of your product.



Nothing to get out of order.  
Just plug into a light socket.

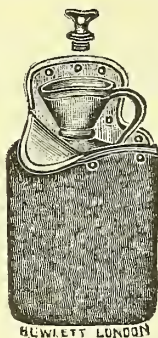
Many of these Units are in use by  
leading firms with complete satisfaction.

**BUTLIERS (LONDON) LTD**

Butler House, 62 & 63 Minorities, London, E.C.3.

Grams and Cables: "Stralia, London." Phones: Royal 8005 & 8006.





HEWLETT LONDON

## The "Charlotte" (Regd.) Hot-Water Bottle Cover

	Best Quality. (Velour)	2nd Quality. (Plushette)		Best Quality. (Velour)	2nd Quality. (Plushette)
8 × 6 in.	.. 20/3	.. 12/- doz.	12 × 8 in.	.. 25/-	.. 16/- doz.
10 × 6 in.	.. 21/6	.. 13/- "	12 × 10 in.	.. 26/-	.. 18/9 "
10 × 8 in.	.. 23/-	.. 15/- "	To fit the moulded hot water bottle, size 11½" × 8"		
			VELOUR 23/- doz. PLUSHETTE 18/9 doz.		

Supplied in pink, blue, peach and grey.

THE ONLY SATISFACTORY HOT WATER BOTTLE COVER ON THE MARKET.  
NO MORE BURNS. STOPPER COVERED COMPLETELY.

Introduced by

C. J. HEWLETT &amp; SON, Ltd., 35-42 Charlotte Street, LONDON, E.C.2.

## "STERAID" Regd. Dressings

Patent No. in Great Britain  
221761/1924 and patented in all  
the principal foreign countries.

Patent Rotating Canister packing to retain aseptic conditions. In use, only the  
amount required is withdrawn and cut off. The remainder is not exposed.

## GAUZES.

	Minimum Public Prices Each	Minimum Trade Prices Per Doz.	
Sal Alembroth	6-yd. 3-yd. 1-yd.	6-yd. 3-yd. 1-yd.	
Sublimate	2/3 1/3½ -/8½	20/3 11/6 6/4	
Carbolic			
Boric			

	Minimum Public Prices Each	Minimum Trade Prices Per Doz.	
Plain Absorbent	2-yd. 3-yd. 1-yd.	2-yd. 3-yd. 1-yd.	
Double Cyanide	2/6 1/2 -/8	18/- 10/6 6/-	
Picric	2/6 1/5 -/9	22/6 12/9 6/9	
Iodoform	3/- 1/8 -/10	27/- 15/- 7/6	

LINTS.  
PLAIN and BORIC.

	Min. Public Prices	Min. Trade Prices
2 in. wide	1/3 each	11/3 doz.
4 "	1/9 "	15/9 "
6 "	2/3 "	20/3 "
Approx. 6 yds. Plain and 4 yds. Boric		

ORDER THROUGH USUAL WHOLESALER.

ROBERT BAILEY &amp; SON LTD., Marriott Street Mills, STOCKPORT

Phone: Stockport 2794

London Office: SOUTHAMPTON ROW, W.C.1

Wires: "Undisputed, Stockport."

## Display NORVIC Blue Carton Crepe Bandages

Regd.

Full 33⅓% profit. P.A.T.A.

Stocked by all the  
leading wholesalers.

Sole manufacturers: Grout & Co.,  
Ltd., 35 Wood Street, E.C.2.



## "Surco"

RELIABLE

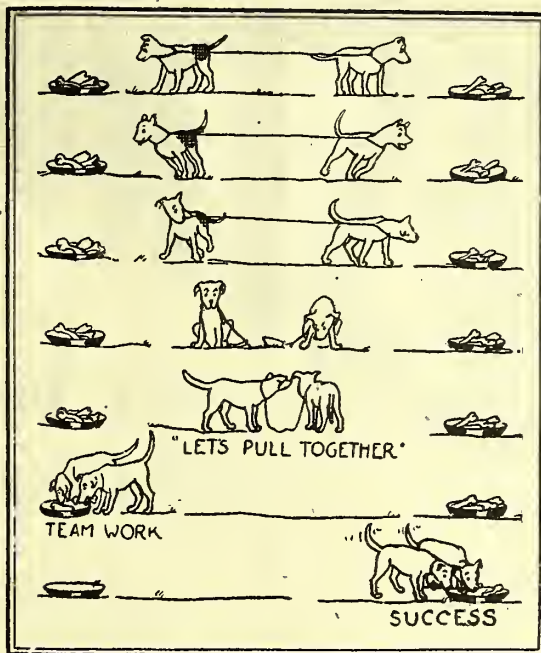
ELASTIC HOSIERY  
BODY BELTS  
TRUSSES  
SUNDRIES

WRITE FOR CATALOGUE

Surgical Hosiery Co., Ltd.

RUSSELL STREET  
NOTTINGHAM





## KOTEX SAYS-

A PREHISTORIC man, if he could be brought into our present every-day life, would neither talk, read, write nor understand the motives by which we humans are activated. BUT—he would understand the above picture.

The wisest, most gifted, most versatile writer of the present age, could not in a thousand words more clearly demonstrate the truth that CO-OPERATION IS NOT A SENTIMENT—it is an ECONOMIC NECESSITY.

If civilization had not invented clothing, medicines, other necessities and luxuries, KOTEX would not be in existence, neither would you be in business. We people in the manufacturing and retail business are given our life's work through the progress of civilisation. Had you been "in trade" several generations back, you would have kept a general store. Your stock in trade would have consisted of ploughshares, wax tapers,

physics, home-spun cloths dyed with juices extracted from roots, berries and plants: instead of receiving money in exchange, you would have received produce of the realm or crudely-fashioned man-made commodities.

GETTING BACK TO PRESENT TIMES—you are conscious that this is the age of specialisation. As for KOTEX, you will retail just so much as the demand is created by our advertising and by women recommending the product to others. We will manufacture a volume in 1930, commensurate with your willingness and interest to keep the product before the public. WE MUST BOTH EAT OUT OF THE SAME DISH. In other words, we are both supported by the same public.

KOTEX will be advertised in 21 magazines, and to your benefit as well as ours. May we look forward to seeing KOTEX shown in 50,000 shop windows and constantly displayed on as many counters?

**KOTEX LIMITED**

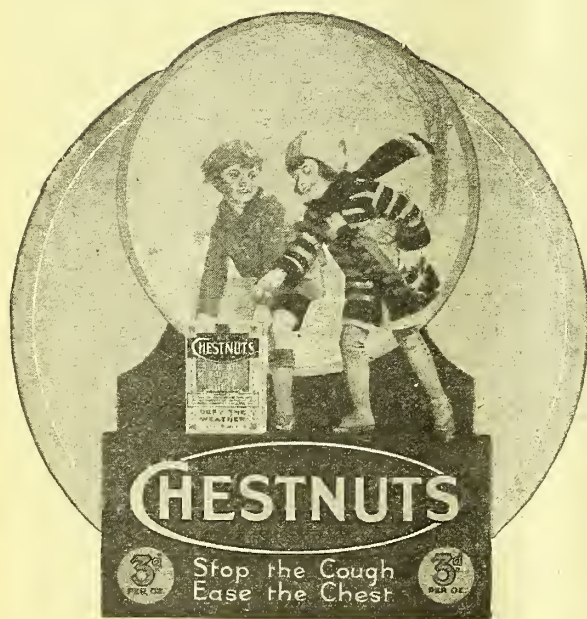
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# CHESTNUTS

## ARE ALWAYS MOVING!

There is nothing remarkable about the selling power of these tablets. They sell on sheer merit. The handsome pack and show-material undoubtedly contribute to their popularity. But it is the efficacy and strength which are the main factors. For many years now the Pharmacist has cleared definite and generous profits on this line. See that you are sharing in the money CHESTNUTS are making all over the British Isles.



This handsome cut-out given free  
with every order.

Per lb.

<b>2/-</b>	7-lb. Lots
<b>1/11</b>	14-lb. Lots
<b>1/10</b>	28-lb. Lots
<b>1/9</b>	56-lb. Lots
<b>1/8</b>	112-lb. Lots

**MAGNIFICENT  
SHOW MATTER**

**ARTHUR H. COX & CO. LTD**  
Manufacturing Chemists  
**BRIGHTON ENGLAND**



# THE CHEMIST AND DRUGGIST SUPPLEMENT

42 CANNON ST.  
LONDON E.C.4

JANUARY 11, 1930

*This Supplement is inserted in every copy of The Chemist & Druggist.*

## THE CHEMIST AND DRUGGIST SUPPLEMENT

### REVISED ADVERTISEMENT TARIFF.

Businesses Wanted and for Disposal, Premises to Let, Goods for Sale and Agencies—6/- for 50 words; every additional 10 words or less, 6d.

SITUATIONS OPEN—6/- for 40 words; every additional 10 words or less, 6d.

SITUATIONS WANTED—2/- for 18 words; every additional 10 words or less, 6d.

Legal Notices, Tenders, Auctions, and all specially-spaced announcements, 1/3 per nonpareil line (12 lines = 1 inch single column).

Miscellaneous (Wholesalers') Section for odd and second-hand lots—10/- for 60 words; 1/- for every additional 10 words or less.

EXCHANGE COLUMN (for Retailers, etc.)—Twopence per word, minimum 2/-.

### BOX NUMBER.

In each case replies may be addressed to a registered number or nom-de-plume, c/o this Office, at a charge of 1/- extra for each advertisement.

### PAYMENT.

All Advertisements are prepaid, so that remittance must accompany instructions in each case. If it be necessary to telephone or telegraph an urgent announcement this may be done, provided the money is telegraphed at the same time.

THE CHEMIST AND DRUGGIST, 42 Cannon Street, LONDON, E.C.4.

Telephone: Central 3617 (3 lines).

Telegrams: "Chemicus, Cannon, London" (2 words).

## CLOSING FOR PRESS.

MUST REACH US  
NOT LATER THAN

## FIRST POST THURSDAY MORNING.

ALL ADVERTISEMENTS INTENDED FOR  
INSERTION IN THIS SUPPLEMENT

## CHEMISTS' TRANSFERS.

Messrs. Orridge & Co., 56 Ludgate Hill, E.C.

Telephone No.: CITY 2283.

May be consulted at their Offices on matters of Sale, Purchase and Valuation.

1.—MIDDLESEX.—General Retail and Dispensing Business, with small Optical connection; returns £4,300 per annum; this includes the takings from a small branch; long lease; moderate rental; stock and fixtures estimated at £1,700; price to include freehold of branch £4,500; these businesses are known to us and we can recommend them as being thoroughly bona-fide.

2.—HOME COUNTY.—Good-class Family Retail and Dispensing Business, with Kodak Agency; established many years; returns approach £3,000 per annum, with net profit about £800; handsomely fitted shop, well stocked; good living accommodation; long lease; rent moderate; price asked £2,800, or possibly valuation terms would be considered.

3.—LONDON, N.W.—High-class Retail Business, with Kodak Agency; returns last year approached £2,200, with net profit £540; single-fronted shop; rent £165 per annum inclusive; held on lease; price £1,000.

4.—LONDON, E.—Cash Drug Store, with Photographic; returns last year about £850, with net profit 30 per cent.; double-fronted corner shop, prominent position; stock and fixtures estimated to be worth £400; rent 16s. 3d. weekly; lease available; price £500, or offer.

5.—WESTERN SUBURB.—General Retail and Dispensing Business; established many years; returns last year £3,600; corner shop, well fitted and stocked; living accommodation; held on lease; rent £60; price £2,800.

6.—LONDON, W.—Cash Retail Business; returns, under management, £2,100 per annum; scope for increase; shop well fitted in mahogany and fully stocked; rent £90; sub-let £52; price £1,600, or near offer.

7.—LONDON, S.E.—Cash Retail Business, offering scope for N.H.I.; present returns £20 weekly; lock-up pharmacy with basement; rent £68; sub-let £94; price for quick sale £600.

8.—SURREY.—High-class Retail and Dispensing Business, with Kodak Agency; returns about £4,000 per annum; gross

profit about 40 per cent.; single-fronted shop, fitted in mahogany and well stocked; very good house; bathroom; garden; freehold may be purchased or lease will be granted; price of business £3,500; stock and fixtures estimated to be worth £2,500.

9.—MIDDLESEX.—Good-class Retail Business, with Kodak Agency; returns steadily increasing, last year being about £2,300; corner shop, well fitted and stocked; part premises sub-let at £55 per annum, leaving flat vacant; vendor owns the premises and will grant a lease at a rental to be agreed; price asked for business £1,750, or offer.

10.—SOUTH-EAST COAST.—Dispensing Business, with Photographic; returns, present rate, exceed £2,000 per annum, with scope for further increase; double-fronted shop, handsomely fitted in mahogany and very well stocked; stock and fixtures estimated to be worth £1,150; large house; 21 years' lease; price £1,300.

11.—KENT COAST.—General Retail and Dispensing Business, with Kodak Agency; returns £3,800 per annum (£800 from Optical); double-fronted corner shop, fitted in mahogany; rent £80 per annum; private house available if required; price asked for business £3,000.

12.—CORNWALL.—Very old-established Business; returns, under management, £2,000 per annum; modern corner premises, recently rebuilt; the shop is well fitted and stocked; price to include freehold £3,500.

13.—SOUTHERN COUNTY (Large Town).—Old-established middle-class Retail and Dispensing Business, with Kodak Agency; returns last year £1,240, with net profit £445; double-fronted shop; estimated value of stock and fixtures £500; rent £72 per annum; sub-let £104; private house available if required; price £850.

14.—YORKSHIRE.—General Retail and Dispensing Business, with Kodak Agency; returns last year £2,366; double-fronted shop, well fitted and stocked; rent £75; modern house available; price £1,500.

Messrs. O. & Co. desire to emphasize the necessity of a periodical Statement of Account by which means alone Profit, the Value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted and eventually becomes confusion and loss.

## Valuations for Stocktaking

Messrs. O. & Co. are prepared to undertake these essential duties and make Special Terms for such service.

**ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.4**



**BERDOE & FISH**

CHEMISTS' VALUERS AND TRANSFER AGENTS,

41 Argyle Square, KING'S CROSS, W.C.1

(One minute from St. Pancras and King's Cross Stations.)

1.—**YORKSHIRE**.—Well-established Wholesale and Retail Chemist's Business, in main road position of busy town; returns over £9,265; profits about 50 per cent.; very heavily stocked; price £4,500; partner entertained.

2.—**DORSET COAST**.—Light Retail Dispensing with Kodak Agency; returns about £1,900; good position; modern pharmacy and house; price £1,100; freehold can be purchased.

3.—**MIDDLESEX** (12 miles out).—Good-class Retail and Dispensing, in good residential district; unopposed; returns £2,200; gross profits 40 per cent.; modern pharmacy; fully stocked; plenty of scope; price £1,750.

4.—**HANTS COAST**.—Good-class Retail and Dispensing Business, in main road position; returns about £1,350, increasing; modern fitted shop; well stocked; price about £1,000.

5.—**BLACKPOOL**.—Middle-class Cash Retail, with Kodak Agency; well established; returns average over £1,750; net profit £460; large shop with house attached; well stocked; price £500.

6.—**NORTH LONDON** (Few Miles Out).—Good-class Retail and Dispensing; in fine position; net profit over £800; splendid house; modern pharmacy; handsomely fitted and heavily stocked; price £2,800; strongly recommended.

7.—**LONDON** (Western Suburb).—Sound, progressive Business, in splendid position; returns approach £4,000; excellent profits; audited accounts; corner shop; heavily stocked; low rent; price £3,000.

8.—**LONDON, N.W.**—Light Cash Retail, with Kodak and Rexall Agencies; returns last year £2,186; lock-up shop; good stock; long lease; price for quick sale £950 cash.

9.—**LONDON, S.W.**—Good-class Cash Retail, in main road position; present returns £25 weekly; plenty of scope; good house attached; well fitted and stocked; price £900, or valuation of stock and fixtures.

10.—**LONDON** (Essex Suburb).—Cash Drug Stores, in thickly-populated district; returns £850; can be much increased in qualified hands; low rent; house attached; price £550, or offer.

11.—**WEST LONDON**.—Old-established Drug Stores; same hands many years; retiring; returns nearly £750; plenty of scope; low rent, house attached; price £350.

Estab. 1870.

Telephone: Terminus 3574.

**The Association of Manfg. Chemists, Ltd.**

Business Agency, Transfer &amp; Valuation Department

Head Offices—Kimberley House, Holborn Viaduct, London,

E.C.1 (and at 2 Bixteth Street, Liverpool).

PARKIN S. BOOTH, Valuer.

Phone: City 1261-2-3

**BUSINESSES FOR DISPOSAL**

1.—**BLACKPOOL**.—Recently established Chemist's Business, large shop, corner position in main street, on lease at £90 p.a.; returns average £40 p.a.; ill-health reason for disposal. Further particulars on application. (24)

2.—**FOLKESTONE**.—Newly-opened Dispensing and Retail Business in main shopping road on lease; 20½ years to run at nominal rental; double-fronted large shop; returns last 4½ months, £773; vendor ordered abroad; quick sale desired. Further particulars on application. (23)

3.—**BRIXTON**.—For immediate disposal, Light Retail Dispensing Business, with Kodak Agency and scope for Optics; situate in main road; lock-up shop; on lease, with nine years to run, at £80 per annum; beautifully fitted and good stock carried. Further particulars on application. (13)

4.—**SUFFOLK**.—Seaside resort. Old-established Family, Dispensing and Retail Business, on lease at £100 p.a.; good living accommodation; private entrance; £1,000 all-at, or £350, plus stock and fixtures at valuation. (21)

5.—**BLACKPOOL** (North Shore).—Occupying commanding position in this popular seaside resort, there is for immediate disposal a Retail Dispensing and Photographic Business, with Kodak Agency; large D. & P. connection; 5 years' lease at £95 per annum; returns at present, which could be considerably increased, £1,200; net profit £420; price for quick sale £250, plus stock and fixtures at valuation. (20)

6.—**LONDON, N.**—Good-class Retail Business in main road; on lease £60 per annum; returns £1,200; lock-up shop; £650, plus stock at valuation, or offers all at entertained.

Stocktaking and Valuation of Businesses undertaken at moderate inclusive fee. Chemists are invited to consult us in respect of their requirements in connection with sale or purchase of businesses. Chemists in the North are requested to communicate with our Liverpool Offices.

**CHARLES C. MARSDEN**Chemists' Valuer, Transfer Agent & Stocktaker,  
29 Oakwell Crescent, Oakwood, Leeds.

**WEST RIDING**.—Returns £1,400. Large shop, lockup, rent £54, lease, fixtures and goodwill £400, stock reduced to any figure desired, very sound proposition. Pharmacy with house, rent and rates £52, returns £16 weekly, well stocked, price £450. Old established Family Dispensing business, nice locality, returns £1,000, rent and rates £42, price £850. Unopposed Chemist's in small country town, doing £2,300, net profit £530, price £1,000, property £1,200, near Leeds. Businesses at £320 and £200.

**BUSINESSES WANTED.**

**BRADFORD DISTRICT**.—Young Pharmacist would be interested in good-class Business with good turnover or prospects, with or without property; any communication would be regarded as strictly confidential; usual references given. 251/29, Office of this Paper.

**MANCHESTER OR DISTRICT**.—Good Chemist's Business required immediately; must show good profits; please send fullest particulars as to takings, profits, rental, etc., whether Photographic, Agencies and Wine Licence; all replies will be considered in strictest confidence; cash waiting for suitable business. 254/26, Office of this Paper.

**BUSINESS** required in Birmingham or within 10 miles or so of the town; up to £500 cash paid for genuine Chemist's or Drug Stores. Please give all necessary particulars, which will be treated in strictest confidence, to "M.P.S.," c/o 4 Moor Park Road, Northfield, Birmingham.

**BUSINESS** required in or near London; good Dispensing and Family trade; net profits £400 per annum, or over. Full particulars (in strict confidence) to "Chemist," c/o William Abbott & Co., Chartered Accountants, 80a Coleman Street, E.C.2.

**PHARMACIST** desires to purchase a well-established good-class Business, with scope for increase; London; Outer London; Home County, or Sea Coast; returning from about £2,000 to £4,000; good lease; main position; lock-up shop, or premises with good living accommodation; cash ready and can complete immediately; communications treated in strictest confidence. Apply 255/5, Office of this Paper.

**£500 DOWN**, balance by arrangement. Chemist wishes to purchase good-class Business in healthy neighbourhood, inland or seaside; turnover (accountant's figures) £25 to £30 weekly; good living accommodation and favourable lease or option of buying premises; any district, North, Midlands or South. Full particulars (in confidence) to 246/35, Office of this Paper.

**PATENTS**

**THE PROPRIETORS** of British Patent No. 289,125, for "A Process for the Production of Inactive Menthol (the Racemate of Natural Menthol)," are desirous of entering into negotiations with interested parties for the granting of Licences thereunder on reasonable terms or for the Sale of the Patent outright. Communications please address to Messrs. Dicker, Pollak & Mercer, Chartered Patent Agents, 20-23 Holborn, London, E.C.1.

**TO BOTTLE MANUFACTURERS**.—Owner of patent device for Combined Stopper and Measure for use in Dispensaries and Laboratories wishes to enter into agreement to exploit same; the device is simple and labour-saving; especially useful for oily and odorous liquid. Apply P.C.B. 19/15, Office of this Paper.

**PARTNERSHIP.**

**PARTNERSHIP** offered in old-established Business in Manchester; fine sale of own Specialities and splendid N.H.I. and Optical connection; two shops; very substantial returns and net profits much above the average; banker's or solicitor's reference required; no agents. 240/33, Office of this Paper.

**SALE BY AUCTION.**

Re LONG &amp; HEARD.

**B. NORMAN & SON** will Sell by Auction at their Sale Rooms, 5 Little Britain (close to G.P.O.), London, E.C., Wednesday next at One, Chemists' Shop Fittings and Showcases, including Walk Showcases, glass-fronted Counters, Silent Salesmen, Dispensing Counters and Screens, Perfumery Cases and Desks, Cash Tills, Mirrors, Glass Shelves and other items. On view day prior. Catalogues on application.

**APARTMENTS.**

**TO LET**, a comfortable Bed-Sitting Room, suitable for two male assistants or students; close to 19, 49 and 39 bus routes, and within easy reach of City and Colleges; terms reasonable; well recommended by other assistants. Apply 27a, Winstead Street, S.W.11 (close to Battersa Bridge).



## BUSINESSES FOR DISPOSAL.

**EAST MIDLAND.**—Main road; trams stop at door; Business, nicely fitted and well stocked; only wants seeing; fine corner position, with nice private house, fitted gas and electric, bath, etc.; accept very low price, £250; ill-health cause of sale; good opening for Optician; wide scope for increase. 255/24, Office of this Paper.

**EDINBURGH.**—Old-established Business and Property; main thoroughfare; stock fresh and not heavy; Kodak Agency; chartered accountant's figures supplied. Apply 162/720, Office of this Paper.

**HERNE BAY.**—Established two years; quickly growing Business; residential district; rapidly developing neighbourhood; Kodak; long lease; low rent; well stocked; first-class fixtures; turnover £1,100; price £750. 249/21, Office of this Paper.

**LONDON.**—Good-class corner Business; splendid position; present takings £21 weekly, without N.H.I.; rent £50 per annum; 20 years' lease; 2 rooms above; great scope and success guaranteed; stock, fixtures and fittings, £550; genuine bargain. "Sacrifice," 243/6, Office of this Paper.

**LONDON, S.E.**—Drug Store for Sale; takings over £20 a week; large scope for increase; ideal spot for N.H.I.; reasonable price to genuine buyer. 255/3, Office of this Paper.

**LONDON, W.**—Old-established high-class Dispensing and Photographic Business; turnover £2,000; net profit 33½ per cent.; can be increased; scope for Optics; long lease at very low rent; beautifully fitted and well stocked; genuine proposition; good reasons for disposal; accountant's figures available; low price for quick sale. Full particulars on application to 255/10, Office of this Paper.

**LONDON, S.W.**—General Retail and Dispensing; main road; returns £1,200, increasing, at good prices; N.H.I. 2,500 per annum; lease eight years; good house, at present let off to cover rent and rates; good clean stock; must sell; good reason; first reasonable offer. 255/40, Office of this Paper.

**MANCHESTER** (exclusive offer).—Small compact Dispensing and Family Business, with property; busy main thoroughfare; plenty of passing trade; working-class district; easy reach town; considerable scope all branches; returns approximately £28 weekly; house attached; accept £1,250, about, everything; a genuine offer and well worth attention. "No triflers, please." Brierley, Chemists' Valuer, 135 Queen Street, Newton Heath, Manchester. (Tel.: Fallowfield 113.)

**MANCHESTER** (near).—Pharmacy for Sale; returns £12-£14 weekly; N.H.I. 120 per month, increasing; at present under management; double-fronted; electric light; good living accommodation; rent £39 per annum (sub-let £38); rates £21; fittings include National Cash Register; price, in all, £275; would suit energetic young man; price includes stock £160. 231/28, Office of this Paper.

**MANCHESTER.**—Modern, well-fitted Pharmacy, on main road; N.H.I. Optical and Photographic; low rent, with living accommodation; lease; takings average £20 weekly. Apply, giving banker's or other reference, to 255/28, Office of this Paper.

**MIDDLESEX.**—Genuine old-established Business for Sale; turnover nearly £4,500; long lease; rent £150; good house; no opposition; price £4,500, which includes property to the value of £1,000. 162/724, Office of this Paper.

**NORTH KENT TOWN** (in main shopping street).—Kodak, N.H.I., Optics and Prescribing; very old established; favourable lease; rent almost covered by sub-letting; takings over £3,000; high profits and scope for increase. Particulars on application to 252/8, Office of this Paper.

**OLDHAM** (Drug Store).—"Must be sold at once owing to serious illness of vendor." Large nicely fitted shop, with good house attached; inclusive rent 18s. weekly; returns approximately £10 weekly; been badly neglected for some time and qualified should easily treble; scope all branches; profitable side line commenced and doing well already; first £200 secures. Another similar business returning £15 weekly; well worth attention; accept valuation for quick sale. Brierley, Chemists' Valuer, 135 Queen Street, Newton Heath, Manchester. (Tel.: Fallowfield 113.)

**SHREWSBURY** (near).—"Absolutely first hand offer." Nice Country Chemist's Business, with side lines, returning £25 weekly; neglected; scope for increase; no opposition; nicely fitted shop, well stocked; good house; large garden, fruit trees, etc.; inclusive rent under £1 weekly; lease; ideal spot; suit semi-retired pharmacist admirably; sound offer and valid reasons for disposal; accept valuation, approximately £425 required. Brierley, Chemists' Valuer, 135 Queen Street, Newton Heath, Manchester. (Tel.: Fallowfield 113.)

**SOUTH DEVON.**—£750. Country Freehold Property, Patent Medicine Business and Chemist's effects; 2,000 inhabitants; growing place; no opposition. Dawe, Grocer, Bere Alston.

**SOUTH-EAST LONDON.**—Old-established Business, double fronted shop, on busy main road; Kodak Agency; good N.H.I.; low rent; long lease; good living accommodation; well stocked and fitted. 254/9, Office of this Paper.

**SOUTH STAFFS.**—General industrial Business in populous district; Kodak Agency and good N.H.I.; established 7 years, during which turnover has varied round £20 to £14 a week; rent £50, which includes good house, bath, electric light, and garage; ideal start for young married couple; business capable of improvement with personal attention; total income £400, or near offer. Ernest J. George, 3, St. Paul's Close, Walsall.

**A LIVE Chemist's Business** in North Wales country town; nearest opposition 8 miles; Kodak Agency; small N.H.I.; average returns £25 per week, under management, showing working proprietor net profit of £380 per annum; audited accounts; can be run single-handed; roomy double-fronted shop on market square; low rent of £30 per annum, includes excellent house recently decorated; rates £13 per annum; stock and fittings, April, 1929, £444, but stock since increased by £80; a unique opportunity for chemist fond of country life and understanding Agricultural business; Welsh not necessary; genuine in every way and fullest investigation invited; price, including stock, fittings and goodwill, £850 for quick sale; capital required for re-investment in larger business. Apply "Althea," 252/11, Office of this Paper.

**A N established Business** in main road, Bayswater, long lease, to be Sold owing to retirement of proprietor. Apply 243/5, Office of this Paper.

**CHEMIST'S Business for Sale**, London, S.W.—Double-fronted Lock-up Shop; returns over £1,000 last year; accountant's figures; good lease; moderate rent; price £500, including excellent stock. 256/32, Office of this Paper.

**CHEMIST'S Shop**, Bury (Lancs); no opposition; excellent opportunity; first reasonable offer. Apply 236/9, Office of this Paper.

**ELDERLY** (68) gentleman, unqualified, offers Shop in comfortable cottage, East Midlands village; established 6 years; gas; good garden; population approximately 2,000; Kodak sub-agent; N.H.I. can be done; two doctors; well stocked and fitted; neglected; health reasons; suit qualified wanting start with small capital; overhead charges low; only those willing to view need apply; best offer secures. 242/5, Office of this Paper.

**HAVING purchased another concern**, an old-established Business situate in a good-class town in Home County is for Sale; turnover £3,000; large increase possible by younger man; beautiful shop; large up-to-date stock; price £2,800. 162/723, Office of this Paper.

**INDUSTRIAL TOWN** (Near Manchester).—Modern, well-stocked and equipped Pharmacy; returns £25 per week; N.H.I. 600 monthly under manager; price £1,650, including property (house and shop); further particulars to bona-fide purchasers; excellent opportunity for energetic man. 254/30, Office of this Paper.

**RECENTLY opened**, well-fitted and well-stocked Pharmacy; artisan class district, E.12; new shop front; corner shop; average takings under management £25 per week at good profits; N.H.I. 200 per month; good scope for Prescribing; owner has other business, unable to give sufficient attention to this; immediate living assured with good prospects; 7/21 years' lease, £70 per annum inclusive; price £675; stock £450; stock reduced if required. 254/19, Office of this Paper.

## AGENCIES.

**A N excellent Salesman** has room for an additional Agency of repute amongst Chemists, Stores and Ladies' Hairdressers in the Midlands; part expenses and commission only entertained; own car. 243/12, Office of this Paper.

**COMMISSION Agents** wanted for sale of Medicated Sweets, including unique non-competitive line; proved exceptionally successful during last 4 years in limited area; part commission paid on orders; car essential. For particulars and ground available inquire 252/30, Office of this Paper.

**IMPORTERS of Pharmaceutical Specialities and Proprietary Medicines**, established 7 years, with connections in the domestic trade, want offers from a few first-class English or Continental firms desirous of developing their businesses; English and Spanish correspondence; exclusive territory; bankers' references. Isaias G. Lopez & Co., Box 899, Bogota, Colombia, South America.

**SCOTLAND AND NORTH OF ENGLAND.**—Representative, with first-class connection Chemists and Stores, solicits Agencies; open to do Propaganda; highest references available; own car. Replies to 255/34, Office of this Paper.

**VETERINARY Medicine Manufacturing Company** (established 1879) desires to appoint Sole Agents throughout the British Isles for the sale of their Veterinary Preparations for Dogs and Cats; liberal terms given. State particular area required. Full details will be supplied by The Wilson Veterinary Medicine Manufacturing Co., Ltd., Arthurs Bridge Works, Woking.



## PREMISES TO LET.

**BLOCK** of Shops on main Edgware Road, Cricklewood, within 4½ miles of Marble Arch; serving new residential area of 1,000 houses; one shop reserved for business of Chemist. Particulars, Rotherham Estates Company, Ltd., 60 Dollis Hill Lane, Cricklewood, N.W.2.

**COULSDON**.—To Let, fitted Chemist Shop; main road; remaining lease; good opening. "D., 5 The Broadway, Coulsdon, Surrey.

**NEW Shop and Flat** to Let, adjoining cinema, at Brant Oak, Middlesex; population approximately 25,000; most suitable for Chemist; last in parade; shop front installed; rent £200 per annum exclusive. Apply Baker, Cooke & Standen, Edgware. (Tel.: Edgware 0140.)

## PREMISES FOR SALE.

**WESTON-SUPER-MARE**.—For Sale, newly-built House and double-fronted Shop in a fast-growing suburb; excellent opening for a Chemist; no opposition; price £940 (or near offer) freehold; ground rent £4 10s. A. Clarke & Sons, "Satterleigh," Milton Road, Weston-super-Mare.

## SITUATIONS OPEN.

### RETAIL (HOME).

**BIRMINGHAM**.—Manager, qualified, for Family business in growing district; must be good Window-dresser and smart Counterman; excellent opportunity for young married man anxious to make progress; house attached. State age, salary, experience, and when free to 252/262, Office of this Paper.

**CROYDON**.—Unqualified Assistant, under 30, for brisk cash business; must be good Counterman and reliable Dispenser. State age, height, details of experience, salary required, and when at liberty. 256/14, Office of this Paper.

**LIVERPOOL**.—Mr. Harold Lomax requires a live, all-round, experienced Manager for his branch, 1 Derby Buildings, Wavertree Road; must be a good Counterman, Window-dresser and Prescriber, with a sound knowledge of Photographic business; wages £4 per week, plus 13% commission on turnover. Reply H. Lomax, M.P.S., 43 Edge Lane, Liverpool.

**LONDON, S.W.**—A vacancy occurs for lady Assistant (Hall certificate) with shop experience; duties principally Counter and N.H.I. Dispensing. Apply, stating experience and salary required, to "Chemist," 115 Bishop's Road, Fulham, S.W.

**LONDON, E.**—Manager (qualified); busy cash and N.H.I. trade; must be up-to-date Window-dresser and good Salesman; a good opportunity for "live" man. State when available, age, salary, and previous experience to 252/261, Office of this Paper.

**LONDON, W.**—Manager, qualified, used to good-class Dispensing and quick Counter business; keen and tactful Salesman, good Window-dresser; thoroughly conversant with West-End trade. Full particulars, height, age, salary and experience, to 252/263, Office of this Paper.

**LONDON, S.E.**—Qualified Manager required for industrial business; quick Counterman and smart Window-dresser essential; good prospects for smart man who is anxious to get on. Full particulars, age, salary, when free, and previous experience, to 252/265, Office of this Paper.

**LONDON, W.C.**—Qualified Assistant (male), accustomed to good-class Retail and Dispensing; personal application; vacancy now open. Burden & Co., 41 Store Street, Bedford Square, W.C.1.

**LONDON, S.W.**—Manager, qualified, for modern Family suburban business; smart Salesman and Window-dresser; good opportunity for ambitious man; commission; house attached. State age, height, previous experience, and salary required to 252/26, Office of this Paper.

**LONDON, S.E.**—Required, qualified Manager for Light Retail and N.H.I. Dispensing business; applicants must be keen and energetic, good Window-dressers, and have undeniable references. Kindly give full particulars of experience, age, and salary required. Applications not answered in 7 days most respectfully declined. 255/4, Office of this Paper.

**MANCHESTER (near)**.—A qualified Manager required for small branch; easy berth. Please state when disengaged, age, height, references and salary required to 252/20, Office of this Paper.

**MANCHESTER**.—Qualified Assistant wanted; age 24 to 30; outdoors; middle-class trade; N.H.I. and Photographic. Give full particulars in first letter. "Chemist," 23 Ranford Road, Levenshulme, Manchester.

**MIDDLESEX**.—Qualified, trustworthy Assistant required for new business near Ealing; must have good N.H.I. Dispensing and Counter experience. Apply, stating experience, age, salary, references, etc., to "Cartref," Keith Road, Hayes, Middlesex.

**MIDLAND CITY**.—A vacancy occurs for young gentlemanly Assistant to extend knowledge in high-class Dispensing business; conscientious, willing, and not afraid of work. Full particulars, salary, etc.; enclose photo, to be returned. 162/722, Office of this Paper.

**NEAR LIVERPOOL**.—Wanted, unqualified Junior Assistant or Improver, smart and willing, for Counter, Dispensing and Photography; must be reliable. State first letter full particulars, salary required, etc. 251/38, Office of this Paper.

**NEAR LIVERPOOL**.—Unqualified Assistant (gentleman or lady) for good-class business; must have had good experience and possess knowledge of Photographic trade. Apply, giving full particulars, stating salary required and enclosing photo (to be returned), 256/6, Office of this Paper.

**NEAR VICTORIA**.—Competent Junior Assistant required, young, for Counter, Dispensing and Photography. Apply first by letter, giving full particulars of experience, age and salary required, to Marshall & Co., 51 Piccolo Road, S.W.1.

**OXFORD**.—Young, unqualified Junior wanted for high-class Branch Pharmacy; duties chiefly Dispensing, with only moderate amount of Counter work; must be reliable and competent. Send fullest particulars with photo in first letter to Druce, 118 High Street, Oxford.

**SOUTH KENSINGTON**.—Unqualified Assistant (male) required. Apply by letter in the first instance, giving age, height, experience, and salary required. Letters not answered in three days declined with thanks. "A. D.," c/o Plaister & Co., 13 Gledhow Terrace, London, S.W.5.

**SOUTH WALES**.—Qualified Manager for established Family business in main street of busy town; good personality and tactful Salesman essential; liberal commission; house attached. Details as to age, salary, previous experience and when free to 252/264, Office of this Paper.

**ASSISTANT**.—Smart Junior for Family and Agricultural business in Kent; must be good Salesman and Window-dresser, with good knowledge of up-to-date business methods. State age, salary, previous experience, and when free to 252/260, Office of this Paper.

**ASSISTANT**; unqualified; must be good at Counter and Window Display. State age, wage, height and salary required, married or single, when at liberty. Ardagh, Chemist, Woodlands, Doncaster.

**AT ONCE**.—Qualified lady Assistant required for quick Counter and Dispensing; knowledge of Photography and Window-dressing an advantage. Apply, giving full particulars (age, salary required, experience, etc.), to "Chemist," Dewsbury Pioneers' Industrial Society, Ltd., Drug and Dispensing Department, Dewsbury.

**LADY** or gentleman; must have had experience in Dispensing, good-class Counter work, Photographic Sales and Window-dressing. Full particulars, references, photo, and salary required. Brownlow, Chemist, Melton Mowbray.

**LADY**, with good knowledge of Pharmacy, Drugs, Chemicals and Pharmaceutical Preparations, required for Clerical work by a London (City) firm. Applicants will kindly apply in own handwriting, stating age and giving full details of experience. Apply "R.," 162/725, Office of this Paper.

**MESRS. HOLMAN, HAM & CO., LTD.**, Exeter, will have a vacancy at the end of February for a Branch Manager; married man, with good all-round knowledge of the business (qualified) essential; good house provided; rent and rates free. Apply in first instance, with as full particulars of experience, etc., as possible, Arnold, 1 Old Tiverton Road, Exeter.

**MESRS. FELTWELL & SON**, 90 Church Road, Barnes, S.W.13, have to thank the many applicants, and to state that the vacancy is now filled.

**ONE** or two Junior unqualified Assistants wanted at earliest; must have had good training in Dispensing and Counter work. Apply, with photo and all particulars in first letter, to H. Reynolds, 39 Belsize Road, Worthing.

**PATENT MEDICINES**.—Lewis's, Ltd., Birmingham, require a female Charge Hand for this department; she must be single, of smart appearance, M.P.S. and capable. Apply in the first instance, stating qualifications and enclose a photograph (which will be returned), to the Staff Manager.

**QUALIFIED** Junior Assistant. Apply, stating age, height, references and salary, to G. B. Osborne, 118 Broad Street, Reading.

**QUALIFIED** lady required at once for Light Retail and Dispensing; one recently qualified who wishes to gain experience. Full particulars to 241 London Road, Westcliff-on-Sea.

**QUALIFIED** lady or gentleman required; easy berth; good Window-dresser. Write full particulars, references, experience, age, salary required, etc. "Chemist," 70 Crownfield Road, London, E.15.

**QUALIFIED** Manager, preferably married, age about 35, required for high-class Dispensing business near London; must be of smart appearance and address, and have had first-class Dispensing experience; excellent scope for right man; interview essential. Apply, with full particulars, 254/28, Office of this Paper.

**SMART**, unqualified Assistant, chiefly for Dispensing; must be quick and reliable; good experience and comfortable situation. Full particulars, references and salary required, to 126 Boston Avenue, Southend-on-Sea.



**SMART** lady with good business experience to take charge of Sales Counter in high-class Hairdressers; must be an excellent Saleswoman, of smart appearance and address. State age, references, and wages. P. J. Wellard, 8 High Street, Camberley, Surrey.

**UNQUALIFIED** Junior Assistant required for January 27; must be courteous Counterman and good Window-dresser. Full particulars, together with photograph if possible, to Bagshaws, Chemists, Newton Heath, Manchester.

**UNQUALIFIED** Assistant, outdoor, 28-35, for high-class Counter work, Yorkshire city; permanency; must have sound references. State where trained, experience, age, height, married or single, salary required, when free; photo. 251/33, Office of this Paper.

**UNQUALIFIED** Assistant; permanency; Dispensing, Photographic, good Window-dresser. Apply personally, Howard's Drug Stores, Ltd., 184 Old Kent Road, S.E.1.

**WANTED**, a fully qualified Manager to take charge of new department shortly to be opened. Apply, giving full particulars of experience, age and salary required, to General Manager, London Co-operative Society, Ltd., 54 Maryland Street, Stratford, E.15, endorsing envelope "Pharmacy."

**WANTED**, Junior Assistant for high-class Dispensing business. Apply Quibell, 885 Finchley Road, Golders Green, London.

**YOUNG** lady required, with general Retail experience; unqualified. Photo or call. A. A. Maitland, 17 Windsor Street, Uxbridge.

**161/706** thanks applicants. Situation now filled.

### WHOLESALE.

**LONDON** house requires smart youth of from 18 to 20 years with some knowledge of the business to look up orders for proprietary goods; speed and accuracy essential. Full particulars to 162/719, Office of this Paper.

**A FIRM** of London Wholesale Druggists require a lady Costing Clerk. State experience, age, and salary required. 162/729, Office of this Paper.

**APPLICATIONS** are invited from Salesmen accustomed to selling high-grade Toilet Soaps and Preparations; the appointment is an excellent one and payment is by commission only. State age and particulars of last 3 years' experience. Replies treated in strictest confidence. Districts vacant: Nottingham, Leicestershire, Derbyshire. 246/37, Office of this Paper.

**GENERAL MANAGER AND CHEMIST**.—Applications are invited for the position of General Manager in a well-known and important Invalid Food, etc., business; qualification as Chemist is essential, also business ability and practical experience in works management, administration and staff supervision; a practical knowledge of the proprietary invalid food, etc., trade is an advantage. Lettters must state qualifications, and give particulars of experience and where gained, also present position, salary required and age. All applications will be treated in strictest confidence. No original documents to be sent. Address P.C.B. 17/32, Office of this Paper.

**MEDICAL** Propaganda Representative required by well-known Manufacturing House for West and South-West London; qualified Pharmacist, experienced in propaganda with knowledge of Physiology and Anatomy, preferred. Write, giving details of age, experience and salary required, to Box "M. P. R." c/o Tunc-Knox, Ltd., Chronicle House, Fleet Street, E.C.4.

**MEDICAL REPRESENTATION**.—Qualified Pharmacists, not necessarily with previous experience, are required by a first-class Proprietary House for Scotland and South Wales; must reside in the territory; applicants should not be over 35, have a good knowledge of Therapeutics, and be able to drive a light saloon car; salary and expenses only. Full details to 162/718, Office of this Paper.

**REPRESENTATIVE** wanted for London Drug House for London; must be experienced. Give full details of experience and salary required. 162/726, Office of this Paper.

**REQUIRED**, Salesmen, all parts of Great Britain, calling on Chemists and Stores, for sale of Tytoxa Curative Bath Powders; commission only. Reply, by letter only first instance, to Manager, Tytoxa Products, Ltd., 11 Waterloo Place, London, S.W.1.

**TWO** Representatives required for the South Coast and Scotland; applicants must be young and energetic, qualified, of good appearance, and must possess sales ability and tact; the positions are progressive, and hold a good future for the right man; photograph should accompany applications. 162/728, Office of this Paper.

**WANTED**, Representatives, with good connections amongst Chemists for well-advertised Proprietary Article, specialising in elaborate window displays, also Sundries and Fancy Goods; liberal commission only. Apply, stating area covered and full particulars, to 244/23, Office of this Paper.

**WANTED**, Travellers, on commission, for sale of pure Olive Oil Toilet Soap, firm established 1812, for Yorkshire, Oxford, Herts, Bedfordshire, Essex, Surrey, Kent, Sussex, Hants, Wilts, Berks. Apply B.M./H.J.R., London, W.C.1.

**WANTED**, Wholesale Warehouse Assistant, accustomed to Chemical Apparatus and Fine Chemical trade. Apply, enclosing photo and reference, stating salary required, W. Finlayson, Chemical Apparatus Dealer, Nelson Terrace, Stockton-on-Tees.

**YOUNG** man as Checker of orders for Patents, Drugs and Sundries; must be quick and reliable. Apply, with full particulars, to 162/721, Office of this Paper.

**YOUNG** female Wet Counter Finishers required. 162/730, Office of this Paper.

### (COLONIAL, INDIAN AND FOREIGN.)

**EGYPT**.—Required, Manager having thorough knowledge of Drug Chain Store business; technical as well as administrative experience essential. Replies, with references and details of experience, to Secretary, Post Office Box No. 193, Cairo, Egypt.

**INDIA**.—Young qualified Chemist required for Bombay Wholesale House; passages, etc., paid; salary first year, Rs. 600; second year, Rs. 650; third year, Rs. 700 per month, then good prospects for right man. Apply The Anglo-French Drug Co., Ltd., 238a Gray's Inn Road, London, W.C.1.

**INDIA**.—Capable, energetic man required as Representative for India; qualifications necessary; age about 28; unmarried; good physical health and sound pharmaceutical training; Major or Minor qualification preferred, but not essential; candidates will be required to produce evidence of good character and past experience; previous travelling experience not compulsory. Application should in the first place be made in writing to 162/727, Office of this Paper.

**MALAY STATES**.—Junior Assistant (qualified) required for Malay States; single; age about 25; salary \$500 (£55) per mensem for first year, \$325 (£37 18s. 4d.) for second year, \$350 (£40 16s. 8d.) for third year, with second class passage out and home; excellent prospects for right man. Apply, by letter only, to Dakin Bros., Ltd., 82 Middlesex Street, E.1, with copies of references.

### SITUATIONS WANTED.

#### RETAIL (HOME).

**A.A.A.A.**—WEST-END or City; qualified; 26; previous West-End experience; permanency preferred; interview. Eric Smith, 58 Stockwell Park Crescent, S.W.9.

**A.A.A.**—MANAGER; 25; abstainer; London experience; any capacity; trustworthy; at liberty January 17; one month trial; London or suburbs; salary reasonable; every personal interest taken; energetic. Apply 251/37, Office of this Paper.

**A.A.A.**—CHEMIST-OPTICIAN; qualified; 26; not outside London; full experience both branches; interview. F.C.B. 20/3, Office of this Paper.

**A.A.A.**—QUALIFIED, 26, abstainer, single, 8 years' good and varied Retail experience, desires engagement, any capacity; not afraid of hard work and can supply excellent references; free January 18 or sooner. "Chemist," 27 Grosvenor Road, Rotherham.

**A.A.**—QUALIFIED, 22, wishes permanent situation in good-class pharmacy; excellent references; good experience; disengaged. 251/8, Office of this Paper.

**A.A.**—QUALIFIED, age 30, desires permanency in good-class business; thoroughly experienced high-class Dispensing and Counter; splendid references; disengaged through sale of business. "M.P.S.," 6 Moor View, Mutley, Plymouth.

**A.A.**—QUALIFIED, 25, seeks permanency in London or suburbs; 9 years' excellent all-round experience; good references. 126 Goldhurst Terrace, N.W.6.

**A.A.**—QUALIFIED, age 26, 10 years' Retail experience, knowledge of Optics, at present Manager, desires change to business with Optics; Sheffield or district preferred, but not essential. 255/1, Office of this Paper.

**A.A.**—M.P.S., F.S.M.C., registered J.C.Q.O., 27, 9 years' excellent London and provincial experience, keen, good appearance and address, desires position, London or Cardiff district; at liberty. 254/24, Office of this Paper.

**A.**—YOUNG lady (Part I Minor); 10 years' experience, Dispensing and Retail; excellent references; salary £2 15s.; London area; S.W. preferred. "V. E. W.," c/o 51 Queensmill Road, Fulham, S.W.

**A.**—CHEMIST; 31; energetic; capable; good appearance and address; Manager, Assistant, any district. "Marne," Alford Road, Sutton-on-Sea, Lincolnshire.

**ASSISTANT**, 22, unqualified, experience in Dispensing, N.H.I., Window-dressing, Photographic, desires change; 6 years in present shop. 255/19, Office of this Paper.

**ASSISTANT** (lady); unqualified; 8 years' good Retail experience; disengaged shortly; West of England, Devon preferred; excellent references. 256/35, Office of this Paper.

**ASSISTANT** (lady), unqualified, desires post in Midlands; experience in Counter, Dispensing, Photography and Window-dressing. 254/23, Office of this Paper.



**Keen, Enthusiastic, Unqualified Assistant, DESIRES POST WITH PRIVATE GENTLEMAN.** Fond of hard work, age 22, 6 years' experience, capable of taking charge heavy N.H.I. and Private Dispensing, Photographic (D. and P.), Salesman and Window Dresser. Average height; excellent references. At present engaged. Lancashire preferred.  
246/34, Office of this Paper.

**A**—QUALIFIED; experienced and reliable; middle-aged; permanency or Locum; disengaged. "Chemist," 415 High Road, Leytonstone, E.11.

**A** CAPABLE, qualified Pharmacist requires post in London or suburbs as Manager or qualified Assistant; good all-round experience; keen; energetic; age 25; abstainer; good references; disengaged. "M.P.S.," 64 High Street, Gillingham, Kent.

**A** CAPABLE, unqualified Assistant, 37, married, seeks permanency. Pratt, Melbourne Cottage, Tiverton, N. Devon.

**A** CAPABLE, unqualified Assistant, age 22, desires post in London; good appearance and excellent references; disengaged. "E. R. L.," 82 Ellington Road, Hounslow, Middlesex.

**A** CAPABLE, qualified Assistant or Branch Manager desires permanency; accustomed to brisk N.H.I.; young and energetic; excellent references. Trenhaile, 11 Crantock Terrace, Ford, Devonport.

**A** CAPABLE, qualified Chemist; 29; good all-round experience. Davies, 14 Clitheroe Road, Stockwell, S.W.9.

**A** CAPABLE Assistant, 29, unqualified, desires permanency; first-class experience and references. "M. J.," 13 Hanging-royd Lane, Hebden Bridge, Yorks.

**A** CAPABLE qualified Pharmacist (M.P.S.); experienced all round; accustomed to brisk Panel; disengaged 11th inst.; Locum or suitable permanency; abstainer; rapid Dispenser. "Pharmacist," 156 Lower Clapton Road, E.5.

**A** QUALIFIED Optician, F.S.M.C., J.C.Q.O., with 11 years' Pharmaceutical experience, requires post with good-class Chemist-Optical establishment; 26; good appearance; keen; energetic; adaptable; excellent testimonials. 251/28, Office of this Paper.

**A** QUALIFIED lady Dispenser desires post with Doctor; experienced; good testimonials; disengaged now. Miss Daniel, Harvey House, Exeter.

**A** THOROUGHLY competent qualified Manager or Locum, with wide experience; age 45; height six feet; good appearance and address; disengaged. "M.P.S.," 69 Milton Road, Waterloo, Liverpool.

**A** DVERTISER, 23, unqualified, seeks situation; 7 years' experience, H.N.I., Window-dressing, D. & P., etc.; would manage Drug Store; moderate salary. E. Reid, 11 Grange Park Road, St. Helens.

**A** S Junior, 20 (Part I); best-class Dispensing; all-round experience; Leeds district preferred. Boyd, 10 Woodlands Avenue, Harrigate.

**A** S Manager or Assistant; qualified; 9 years' experience, Dispensing, Counter, Window-dressing; age 25 years; free. Reply to "M.," 5 Winchester Road, Highams Park, E.4.

**A** SSISTANT; unqualified; all-round experience; permanency preferred; London; can manage. "Statim," 72 Tremadoc Road, Clapham, S.W.4.

**A** SSISTANT or Locum; disengaged; abstainer; good references; varied experience. "G.," 4 North Hill Terrace, Tavistock Road, Plymouth.

**A** SSISTANT, unqualified, just finished apprenticeship, desires situation in Blackpool district. Gair, 45 Roseacre, Squires Gate, Blackpool.

**A** SSISTANT; 19; experienced; tall; Optics (part S.M.C.); liberty immediately. W. White, Junr., 161 Tennyson Road, Luton.

**A** SSISTANT (unqualified) desires responsible post, high-class; good salary, with commission; thoroughly experienced; ability proved in all branches; capable; excellent references; interview preferred. Hobson, 31 Wagg Street, Congleton, Cheshire.

**A** SSISTANT, unqualified (Part I), 26, desires post; good experience in Dispensing, Counter and Photographics. Apply C. E. Raddats, "Moseley," St. Fabian's Drive, Chelmsford, Essex.

**A** SSISTANT; unqualified; 30; good all-round knowledge all branches; keen for business; would manage; disengaged. "Practisedist," 92 Effra Road, Wimbledon.

**A** SSISTANT (Part I), 24, desires situation; accustomed to brisk Retail and N.H.I. Dispensing; all-round experience; excellent references; trustworthy. "Tactful," 12 Thomas Street, Flint.

**A** SSISTANT; 26; unqualified; tall; 9 years' London and country experience; N.H.I. and Private Dispensing, Counter, Stock, Photography; with Chemist, or preferably Chemist-Optician. R. A. Sandy, "Seattle," Chart Lane, Reigate, Surrey.

**A** SSISTANT; unqualified; efficient and energetic; temporary or permanent; salary moderate. "Chemical," 120 Theobald's Road, London, W.C.1.

**A** SSISTANT, 20 (Part I), experienced Counter, Window-dressing and Dispensing, desires position; at liberty February 7. K. Field, "Mount," Skelmanthorpe, Huddersfield.

**A** SSISTANT; unqualified; Dispensing N.H.I.; reliable; abstainer; Manchester district preferred; references; well recommended. 364 Dickenson Road, Longsight, Manchester.

**A** SSISTANT; unqualified; married; middle-aged; good all-round experience; active; excellent references. "Rhei," 1 St. Andrew's Terrace, Corbridge.

**A** SSISTANT; 25; disengaged; well recommended. G. Ramdin, 41 Westcroft Square, London, W.6.

**A** SSISTANT, 23, unqualified, good Dispensing and Counter experience, seeks situation; disengaged. Harrodine, 19 Merefield Street, Rochdale.

**A** SSISTANT; unqualified; all-round experience; disengaged February 17. L. T. Kime, 126 Dallow Road, Luton, Beds.

**A** SSISTANT, 22, taking the C. & D. examination in April, requires temporary situation in or near London. J. N. Last, 33 Bonham Road, Brixton Hill, S.W.2.

**A** SSISTANTSHIP; excellent experience, Counter, Dispensing, Window-dressing, Photography; London or South Coast preferred. Hames, "Birklands," Avenue, Wimborne, Dorset.

**B**IRMINGHAM or Wolverhampton district. Capable Junior, 21 (Part I); 5 years' experience; obliging; industrious; interview any time. "H. F. E.," c/o Shelleys, Ltd., Chemists, Caldmore, Walsall.

**C**OMPETENT man, West-End experience, requires evening duty or part time. "J. O.," 10 Victoria Parade, Hayes, Middlesex.

**D**ISENGAGED; active; unqualified; middle-aged; Stock, Dispensing, Prescriber; successful Manager; moderate salary. "Chemist," 91 Duncombe Road, Holloway, N.19.

**D**ISENGAGED; qualified Assistant; Scotch; age 22; 5 years' experience; Locum or permanency. Wright, "Kingslyn," Monument Green, Weybridge.

**D**RUCE & CO., Pharmaceutical Chemists, 118 High Street, Oxford, desire to recommend their Junior Assistant; age 21.

**D**UNDEE.—Qualified (male), 22, desires permanency; all-round experience; excellent testimonials. Write Hall, 11 Strathmartin Road, Dundee.

**E**NGAGEMENT desired; Birmingham or Midlands preferred; thorough all-round experience; well recommended; Locum work undertaken; disengaged. "Drugs," 64 Hunters Road, Birmingham.

**E**XPERIENCED Assistant seeks berth; energetic, courteous and obliging; good appearance and address; unqualified; disengaged. 256/3, Office of this Paper.

**E**XPERIENCED in all branches; indentured; specially Toilet Theatrical Requisites; many years' experience. Smart, 29 Chesham Road, Kingston-on-Thames.

**G**ENTLEMANLY Assistant requires post; first-class Dispenser and Counterman; highest references; anywhere. Maidens, 42 Dixon Street, Lincen.

**H**ERNIA.—Expert Truss Fitter, Abdominal Belts, Rubber Goods, etc., Drugs and Sundries; good Salesman; married; highest references; Assistant or manage branch. Address "Surgical," 1 Lowwood Grove, Birkenhead.

**J**UNIOR, 22, desires post in good-class business; first-class Dispensing experience; West-End and country. C. Hunter, 7 Redburn Street, S.W.3.

**L**EDS AREA.—Part-time with Dispensing Chemist or Doctor; experienced gentleman; or local Agency. 254/18, Office of this Paper.

**L**ADY Assistant, 9 years' experience, desires part-time post; North London; entertain managing Drug Stores with living accommodation. 255/38, Office of this Paper.

**L**ONDON, Leeds or Glasgow. Chemist-Optician, J.C.Q.O.; City experience; highest references; quick Refractionist and Salesman. 256/4, Office of this Paper.

**L**OCUM; 26; abstainer; conscientious; excellent London experience; disengaged. "Chemist," 25 Eardley Road, Streatham, S.W.16.

**L**ADY Dispenser (Hall) desires post, Chemist or Doctor; 2 years' experience with Chemist. Franklin, "Broadhurst," Skelmersdale Road, Clacton.

**L**ADY Dispenser (Hall) seeks post, whole or part time; Doctors or Chemist; London; excellent references; experienced. 251/25, Office of this Paper.

**L**ADY Dispenser (Hall); thoroughly experienced; 12 years' General Practice and Hospital. 252/3, Office of this Paper.

**L**ADY; unqualified; disengaged; energetic; 12 years' experience; willing worker; accustomed quick Counter and Dispensing business. Holmes, 3 Elgin Avenue, W.9.

**L**IVE, experienced, modern Pharmacy, Agricultural Dispensing, Photographic Salesman; middle-aged; qualified; £4 week. "Chemist," Borrage Green Lane, Ripon, Yorkshire.

**L**OCUM or relief; disengaged; thoroughly competent; experienced; reliable; highest references; terms reasonable. "Chemicus," 56 Rudloe Road, Clapham Park, S.W.12.

**L**OCUM, Relief or Assistant; 20 years' good experience heavy Panel; quick Counter; not registered. 130 Scott-Ellis Gardens, N.W.8.

**M**ANAGER, qualified (at present engaged), desires position with view to Partnership or succession; experience (over 20 years) includes management and staff control, production of proprietaries, Press advertising, expert window-dressing, shop and office routine. 256/12, Office of this Paper.



**MANAGER**; 27; good references; 11 years' experience; efficient in all departments. "L. C.," "Red Cot," Ascerton Road, Sidmouth.

**MANAGER**; qualified; disengaged January 11; aged 38 years; excellent references; abstainer; quick and reliable. "Pharmacist," 16 Blacklands Road, Catford, S.E.6.

**MANCHESTER** or Suburb.—Situation wanted as Junior; age 22; disengaged; capable and reliable; good experience; Dispensing, Counter, Prescribing, etc. H. Copple, 181 Sussex Street, Broughton, Salford.

**MIDLAND DISTRICTS**.—M.P.S. (young) desires post; used to brisk Counter trade; Dispensing, Counter, Windows, Photo; London experience. 166 Stoney Lane, Sparkhill, Birmingham.

**M.P.S.**, 22, seeks progressive position; excellent Dispensing, Counter and Photographic experience; Derby or Notts district preferred. 252/23, Office of this Paper.

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**M.P.S.**, studying F.B.O.A., requires position with good-class Chemist-Optician; keen; willing; excellent references; disengaged. G. Wadham, 38 Wignore Road, Worthing.

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**PART I**, 20, tall, requires post; Portsmouth or Ilford district; good references and experience. "Assistant," Davies, Chemist, Havant.

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**QUALIFIED** (young) seeks position in or near London; Hospital and Retail experience. Miss Roach, "Oldbury," Bridgnorth, Shropshire.

**QUALIFIED** lady, 22, seeks position as Assistant in good-class Pharmacy, preferably North London; Dispensing, Counter, Photographic experience; references. Miss D. Jones, 49 Mattison Road, Harringay, N.4.

**QUALIFIED**, 38, desires permanency as Manager or Assistant; excellent references and experience; competent Dispenser; disengaged. "M.P.S.," 13 London Road, High Wycombe, Bucks.

**QUALIFIED** Manager; 40; permanency or Locum; abstainer; Kent preferred, but not essential; view succession; would entertain Partnership. "S. B. C.," 251/36, Office of this Paper.

**QUALIFIED**, age 26, as Manager (or Assistant); at present post 2½ years as manager of branch; available any time; requires business with more scope; 10 years' good all-round experience; salary £5 or over per week; references when required. 253/33, Office of this Paper.

**QUALIFIED**; disengaged; good experience, London and provinces; Locum or permanency. Ormo, "Eastcot," Doods Road, Reigate.

**QUALIFIED**; elderly; very active; disengaged; part or whole time; West End or East End; Locum or Branch. Warrington, 665 Commercial Road, Stepney, E.1.

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**QUALIFIED**, 26, requires post as Manager or Assistant; experienced in all branches. "G. F.," 480 London Road, Westcliff-on-Sea.

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**UNQUALIFIED** Assistant (25), good appearance, accustomed to good-class Dispensing and Photographic business, desires a situation in London or Eastern Counties. 255/27, Office of this Paper.

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**R**EPRESENTATIVE, smart Retail Salesman desires berth as; Toilets, Pharmaceuticals, Sundries; tall; 27; good education, appearance, address; ambitious; energetic; resident London. "Fafnir," 9 Manor Road, Wallington, Surrey.

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